

SADSAC SPACE SHUTTLE
AEROTHERMODYNAMIC
DATA MANAGEMENT SYSTEM

CONTRACT NAS8-4016
MARSHALL SPACE FLIGHT CENTER



—SPACE SHUTTLE—
**AERODYNAMIC STABILITY, CONTROL
EFFECTIVENESS AND DRAG
CHARACTERISTICS OF A SHUTTLE
ORBITER CONFIGURATION AT
MACH NUMBERS FROM 0.6 TO 4.96**

by

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MSFC 14 x 14-INCH
TRISONIC WIND TUNNEL

Marshall Space
Flight Center

N A S A

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SADSAC/SPACE SHUTTLE

WIND TUNNEL TEST DATA REPORT

CONFIGURATION: NR ATP Baseline Orbiter (.004 Scale Model)

TEST PURPOSE: Static Stability and Control Effectiveness of a Shuttle
Orbiter

TEST FACILITY: NASA/MSFC 14 x 14 - Inch Trisonic Wind Tunnel

TESTING AGENCY: MSFC

TEST NO. & DATE: MSFC TWT 555 - 96 Hours

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CONTRACT NAS 8-4016

AMENDMENT 174

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AERODYNAMIC STABILITY, CONTROL EFFECTIVENESS AND
DRAG CHARACTERISTICS OF A SHUTTLE ORBITER
CONFIGURATION AT MACH NUMBERS FROM

0.6 TO 4.96

By Paul E. Ramsey

A B S T R A C T

Experimental aerodynamic investigations were conducted in the NASA/MSFC 14-inch Trisonic Wind Tunnel from Sept. 27 to Oct. 7, 1972 on a 0.004 scale model of the NR ATP baseline shuttle orbiter configuration. Six component aerodynamic force and moment data were recorded at 0° sideslip angle over an angle of attack range from 0° to 20° for Mach numbers of 0.6 to 4.96, 20° to 40° for Mach numbers of 0.6, 0.9, 2.99, and 4.96, and 40° to 60° for Mach numbers of 2.99 and 4.96. Data were obtained over a sideslip range of -10° to 10° at 0°, 10°, and 20° angles of attack over the Mach range and 30° and 50° at Mach numbers of 2.99 and 4.96.

The purpose of the test was to define the buildup, performance, stability, and control characteristics of the orbiter configuration. The model parameters were: body alone; body-wing; body-wing-tail; elevon deflections of 0°, 10°, -20°, and -40° (both full and split); aileron deflections of $\pm 10^\circ$ (full and split); rudder flares of 10° and 40°, and a rudder deflection of 15° about the 10° and 40° flare positions.

NOMENCLATURE General

<u>SYMBOL</u>	<u>SADSAC SYMBOL</u>	<u>DEFINITION</u>
a		speed of sound; m/sec, ft/sec
C _p	CP	pressure coefficient; $(p_1 - p_\infty)/q$
M	MACH	Mach number; V/a
p		pressure; N/m ² , psf
q	Q(NSM) Q(PSF)	dynamic pressure; $1/2\rho V^2$, N/m ² , psf
RN/L	RN/L	unit Reynolds number; per m, per ft
V		velocity; m/sec, ft/sec
α	ALPHA	angle of attack, degrees
β	BETA	angle of sideslip, degrees
ψ	PSI	angle of yaw, degrees
ϕ	PHI	angle of roll, degrees
ρ		mass density; kg/m ³ , slugs/ft ³

Reference & C.G. Definitions

Ab		base area; m ² , ft ²
b	BREF	wing span or reference span; m, ft
c.g.		center of gravity
$\frac{l_{REF}}{c}$	LREF	reference length or wing mean aerodynamic chord; m, ft
S	SREF	wing area or reference area; m ² , ft ²
	MRP	moment reference point
	XMRP	moment reference point on X axis
	YMRP	moment reference point on Y axis
	ZMRP	moment reference point on Z axis

SUBSCRIPTS

b	base
l	local
s	static conditions
t	total conditions
∞	free stream

NOMENCLATURE (Continued)

Body-Axis System

<u>SYMBOL</u>	<u>SADSAC SYMBOL</u>	<u>DEFINITION</u>
C_N	CN	normal-force coefficient; $\frac{\text{normal force}}{qS}$
C_A	CA	axial-force coefficient; $\frac{\text{axial force}}{qS}$
C_Y	CY	side-force coefficient; $\frac{\text{side force}}{qS}$
C_{A_b}	CAB	base-force coefficient; $\frac{\text{base force}}{qS}$ $-A_b(p_b - p_\infty)/qS$
C_{A_f}	CAF	forebody axial force coefficient, $C_A - C_{A_b}$
C_m	CLM	pitching-moment coefficient; $\frac{\text{pitching moment}}{qS l_{REF}}$
C_n	CYN	yawing-moment coefficient; $\frac{\text{yawing moment}}{qS b}$
C_l	CBL	rolling-moment coefficient; $\frac{\text{rolling moment}}{qS b}$

Stability-Axis System

C_L	CL	lift coefficient; $\frac{\text{lift}}{qS}$
C_D	CD	drag coefficient; $\frac{\text{drag}}{qS}$
C_{D_b}	CDB	base-drag coefficient; $\frac{\text{base drag}}{qS}$
C_{D_f}	CDF	forebody drag coefficient; $C_D - C_{D_b}$
C_Y	CY	side-force coefficient; $\frac{\text{side force}}{qS}$
C_m	CLM	pitching-moment coefficient; $\frac{\text{pitching moment}}{qS l_{REF}}$
C_n	CLN	yawing-moment coefficient; $\frac{\text{yawing moment}}{qS b}$
C_l	CSL	rolling-moment coefficient; $\frac{\text{rolling moment}}{qS b}$
L/D	C/D	lift-to-drag ratio; C_L/C_D

ADDITIONS TO NOMENCLATURE

FOR MSFC TEST 555

<u>SYMBOL</u>	<u>SADSAC SYMBOL</u>	<u>DEFINITION</u>
δ_{e_L}	ELVN-L	Full left elevon, surface deflection angle, positive deflection, trailing edge down; degrees.
δ_{e_R}	ELVN-R	Full right elevon, surface deflection angle, positive deflection, trailing edge down; degrees.
δ_e	ELEVTR	Full elevator only, surface deflection angle, positive deflection, trailing edge down; degrees.
$\delta_{e_{LO}}$		Left outboard elevon only, surface deflection angle, positive deflection, trailing edge down; degrees.
$\delta_{e_{RO}}$		Right outboard elevon only, surface deflection angle, positive deflection, trailing edge down; degrees.
δ_{e_O}	OBDELV	Outboard elevator only, surface deflection angle, positive deflection, trailing edge down; degrees.
δ_{e_I}	IBDELV	Inboard elevator only, surface deflection angle, positive deflection, trailing edge down; degrees.
δ_R	RUDDER	Rudder, surface deflection angle, positive deflection, trailing edge to the left; degrees.
δ_{RF}	RUDFLR	Rudder flare, split rudder deflection angle, positive deflection, trailing edges outward; degrees.
δ_a	AILRON	Aileron, full or outboard total aileron deflection angle, degrees, (left aileron-right aileron)/2.
δ_{a_O}	OBDAIL	Outboard aileron, outboard total aileron deflection angle, degrees, (left aileron-right aileron)/2.

ADDITIONS TO NOMENCLATURE (CONTINUED)

<u>SYMBOL</u>	<u>SADSAC SYMBOL</u>	<u>DEFINITION</u>
δ_{aI}	IBDAIL	Inboard aileron, inboard total aileron deflection angle, degrees, (left aileron-right aileron)/2.
	CONFIG	Configuration tested; = 1.0 (BLC1DLF1M1) = 2.0 (BLC1DLF1M1) (W1EL) = 3.0 (BLC1DLF1M1) (W1EL) (V1K1R1)
$(C_L)_{L/D \text{ MAX}}$	CLLDMX	Lift coefficient evaluated at maximum L/D.
ΔC_L	DCL	Lift coefficient variation for a specific change in elevon deflection.
ΔC_{LM}	DCLM	Pitching moment variation for a specific change in elevon deflection.
$\Delta \delta_e$	DE	Incremental change of elevon deflection.
$(L/D)_{\text{MAX}}$	L/DMAX	Maximum value of L/D.
$C_{Y\beta}$	D(CY)	Derivative of side force coefficient with respect to beta (beta = $\pm 5^\circ$); per degree.
$C_{n\beta}$	D(CYN)	Derivative of yawing moment coefficient with respect to beta (beta = $\pm 5^\circ$); per degree, body axis system.
$C_{l\beta}$	D(CBL)	Derivative of rolling moment coefficient with respect to beta (beta = $\pm 5^\circ$); per degree, body axis system.

CONFIGURATIONS INVESTIGATED

Test results reported herein were obtained on a 0.004 scale model of the NR ATP Baseline Orbiter. Each of the model components tested are listed below. Pertinent dimensional data for these components are given in Table III.

<u>MODEL COMPONENT SYMBOL</u>	<u>DESCRIPTION</u>
(B1C1D1F1M1)	Body Alone
B1	Orbiter body
C1	Canopy
D1	Manipulator fairing along top centerline
F1	Body flap
M1	OMS pods
(B1C1D1F1M1) (W1E1)	Body With Wing
W1	Wing
E1	Split elevons
(B1C1D1F1M1) (W1E1) (V1K1R1)	Body With Wing and Centerline Vertical Tail
V1	Body centerline vertical tail
K1	Air scoop at base of vertical tail
R1	Split rudder

The following SADSAC names are used to define control deflection. The various elevon and rudder deflections tested and their SADSAC definition is also tabulated below.

ELEVTR	Inboard and outboard elevons deflected together
OBDELV	Outboard only elevons deflected
OBDAIL	Outboard only elevons deflected
RUDFLR	Rudder flare
RUDDER	Rudder deflection; with or without rudder flare
AILRON	Inboard and outboard elevons deflected together

CONFIGURATIONS INVESTIGATED (CONTINUED)

CONTROL SURFACE						NOMENCLATURE					
RUDDER	RUDDER FLARE	ELEVONS				ELEVTR	OBDELV	AILRON	OBDAIL	RUDFLR	RUDDER
		LEFT		RIGHT							
		INBOARD	OUTBOARD	INBOARD	OUTBOARD	δ_e	δ_e	δ_a	δ_a	δ_{RF}	δ_r
0	10	10	10	10	10	10	-	-	-	10	0
0	10	-20	-20	-20	-20	-20	-	-	-	10	0
0	10	-40	-40	-40	-40	-40	-	-	-	10	0
0	10	0	-20	0	-20	-	-20	-	-	10	0
0	10	10	10	-10	-10	-	-	10	-	10	0
0	10	0	10	0	-10	-	-	-	10	10	0
0	40	0	0	0	0	-	-	-	-	40	0
15	40	0	0	0	0	-	-	-	-	40	15
15	10	0	0	0	0	-	-	-	-	10	15

TEST FACILITY DESCRIPTION

The Marshall Space Flight Center 14" x 14" Trisonic Wind Tunnel is an intermittent blowdown tunnel which operates by high pressure air flowing from storage to either vacuum or atmospheric conditions. A Mach number range from .2 to 5.85 is covered by utilizing two interchangeable test sections. The transonic section permits testing at Mach 0.20 through 2.50, and the supersonic section permits testing at Mach 2.74 through 5.85. Mach numbers between .2 and .9 are obtained by using a controllable diffuser. The range from .95 to 1.3 is achieved through the use of plenum suction and perforated walls. Mach numbers of 1.44, 1.93 and 2.50 are produced by interchangeable sets of fixed contour nozzle blocks. Above Mach 2.50 a set of fixed contour nozzle blocks are tilted and translated automatically to produce any desired Mach number in .25 increments.

Air is supplied to a 6000 cubic foot storage tank at approximately -40°F dew point and 500 psi. The compressor is a three-stage reciprocating unit driven by a 1500 hp motor.

The tunnel flow is established and controlled with a servo actuated gate valve. The controlled air flows through the valve diffuser into the stilling chamber and heat exchanger where the air temperature can be controlled from ambient to approximately 180°F. The air then passes through the test section which contains the nozzle blocks and test region.

Downstream of the test section is a hydraulically controlled pitch sector that provides a total angle of attack range of 20° (+10°). Sting offsets are available for obtaining various maximum angles of attack up to 90°.

DATA REDUCTION

All model forces and moments are resolved in the body and stability axis system and are presented in the form of non-dimensional coefficients. Model reference dimensions used in the data reduction are:

	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Reference Area (S_{ref})	3220.0 ft. ²	7.419 in. ²
Reference Length (l_{ref}) (M.A.C.)	525.5 in.	2.102 in.
Reference Span (b_{ref}) (Wing Span)	1007.7 in.	4.030 in.
Base Area (A_b) including cavity area, See Figure 4	382 ft. ²	0.878 in. ²
Cavity Area (A_c)	_____	0.313 in. ²

Moments were referenced to the center of gravity at 65 percent body length (l_B) from the nose ($l_B = 5.312$ in.).

Moment reference dimensions used are:

	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
XMRP	863.2 in.	3.453 in.
YMRP	0.0 in.	0.0 in.
ZMRP	0.0 in.	0.0 in.

DATA REDUCTION (CONTINUED)

The base axial force coefficient was calculated using:

$$CAB = -(CPBAVG) \frac{A_b - A_c}{S_{ref}} - (CPC) \frac{A_c}{S_{ref}}$$

where: $CPBAVG$ = average base pressure coefficient = $\frac{P_{b_{avg}} - P_{\infty}}{q}$

$$CPC = \text{cavity pressure coefficient} = \frac{P_c - P_{\infty}}{q}$$

Center of pressure ($X_{c.p.}$) calculations based on body length were made using:

$$\frac{X_{c.p.}}{l_B} = \frac{X_{c.g.}}{l_B} - \left(\frac{C_m}{C_N} \right) \left(\frac{l_{ref}}{l_B} \right)$$

where $X_{c.g.} = XMRP = 3.453 \text{ in.}$
 $l_{ref} = LREF = 2.102 \text{ in.}$
 $l_B = \text{body length} = 5.312 \text{ in.}$

Transition grit was used on the model during the entire test. Figure 3 shows the type grit, location and grit thickness used.

TEST CONDITIONS

TEST TWT 555

[illegible]

BALANCE UTILIZED: MSFC # 231

CAPACITY:

NF	<u>120 lbs.</u>
SF	<u>50 lbs.</u>
AF	<u>20 lbs.</u>
PM	<u>112 lbs.</u>
YM	<u>56 lbs.</u>
RM	<u>30 lbs.</u>

ACCURACY :

± 0.60 lbs.
 ± 0.25 lbs.
 ± 0.10 lbs.
 ± 0.56 in-lbs.
 ± 0.30 lbs.
 ± 0.15 lbs.

COEFFICIENT
TOLERANCE:

$\sigma = 9.10 \text{ psi}$
 ± 0.0080
 ± 0.0035
 ± 0.0015
 ± 0.0035
 ± 0.0020
 ± 0.0009

COMMENTS :

TABLE II.
TEST MSFC TWT 555 DATA SET COLLATION SHEET

☐ PRETEST

☒ POSTTEST

DATA SET IDENTIFIER	CONFIGURATION	SCHD.		PARAMETERS/VALUES				NO. of RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE)												
		α	β	SeL	SeR	SeLO	SeRO		SRF	δr					0.6	0.9	1.20	1.46	1.96	2.99	4.96
R76101	B,C,D,F,M1	A	O	-	-	-	-	6	-	-					054/0	053/0	052/0		096/0	001/0	002/0
102		B	O					4							064/0	063/0				009/0	010/1
103		C	O					2												205/0	206/0
104		O	D					4							065/0	066/0	067/0		099/0		
105		10	D					6							049/0	050/0	051/0		097/0	004/0	003/0
106		20	D					6							070/0	069/0	068/0		098/0	005/1	006/1
107		30	D					2												008/0	007/0
108	Y	50	D	Y	Y	Y	Y	2												204/0	203/0
201	(B,C,D,F,M1)(W,E1)	A	O	O	O	O	O	6							060/0	059/0	058/0		095/0	019/0	020/0
202		B	O					4							061/0	062/0				011/0	012/0
203		C	O					2												200/0	199/0
204		O	D					4							076/0	075/0	074/0		092/0		
205		10	D					6							048/0	047/0	046/0		094/0	018/0	017/0
206		20	D					6							071/0	072/0	073/0		093/0	015/0	016/0
207		30	D					2												014/0	013/0
208	Y	50	D					2	Y	Y										201/0	202/0
301	(B,C,D,F,M1)(W,E1)(X,K1,R1)	A	O					6	10	O					055/0	056/0	057/0		088/0	022/0	021/0
302		B	O					4							032/0	031/0				030/0	029/0
303		C	O					2												197/0	198/0
Y 304	Y	O	D	Y	Y	Y	Y	4	Y	Y					077/0	078/0	079/0		091/0		

1	7	13	19	25	31	37	43	49	55	61	67	75	76
CN	CLM	CY	CYN	COL	CAF	CAB	CL	CD	L/D				10

COEFFICIENTS:

α or β

SCHEDULES

$\alpha A = 0^\circ \text{ TO } 20^\circ (\Delta\alpha = 2^\circ)$; $\alpha B = 20^\circ \text{ TO } 40^\circ (\Delta\alpha = 2^\circ)$

$\alpha C = 40^\circ \text{ TO } 60^\circ (\Delta\alpha = 2^\circ)$; $\alpha E = 10^\circ \text{ TO } 30^\circ (\Delta\alpha = 2^\circ)$

$\beta D = -10^\circ, -6^\circ, -3^\circ, -2^\circ, -1^\circ, 0^\circ, 1^\circ, 2^\circ, 3^\circ, 6^\circ, 10^\circ$

→ IDPVAR(1) IDPVAR(2) NDV

TABLE II. (CONTINUED)
TEST MSFC TW7 555 DATA SET COLLATION SHEET

☐ PRETEST

☒ POSTTEST

DATA SET IDENTIFIER	CONFIGURATION	SCHD.		PARAMETERS/VALUES				NO. of RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE)									
		α	β	δ_{eL}	δ_{eR}	δ_{eLO}	δ_{eRO}		δ_{RF}	δ_T								
R76 305	(BICIDIFIM)(WIEI)(VIKIRI)	10	D	0	0	0	0	6	10	0				0.60	0.90	1.20	1.46	1.96
306		20	D					6						043/	044/0	045/0		089/0
307		30	D					3						082/0	081/0	080/0		023/0
308		50	D					2						192/0				027/0
309		A	0	10	10	10	10	6										028/0
310		B	0					4										193/0
311		A	0	-20	20	-20	-20	6										194/0
312		B	0					4										
313		20	D					6										
314		A	0	-40	-40	-40	-40	1										
315		B	0					4										
316		C	0					2										
317		A	0	0	0	-20	-20	6										
318		B	0					4										
319		A	0	10	-10	10	-10	4										
320		B	0					4										
321		A	0	0	0			4										
322		B	0					4	Y									
323		A	0			0	0	6	40									
324		B	0					4										

1 7 13 19 25 31 37 43 49 55 61 67 75 76

COEFFICIENTS: _____ IDPVAR(1) IDPVAR(2) NDV

α or β _____

SCHEDULES _____

TABLE II. (CONCLUDED)
TEST MSFC TW7555 DATA SET COLLATION SHEET

☐ PRETEST

☒ POSTTEST

DATA SET IDENTIFIER	CONFIGURATION	SCHD.		PARAMETERS/VALUES				NO. of RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE)												
		α	β	δe_L	δe_R	δe_{LO}	δe_{RO}		δR_F	δr					0.60	0.90	1.20	1.46	1.96	2.99	4.96
R76325	(BICIDIFIHI)(WIFI)(V.I.K.I.R.I)	10	D	0	0	0	0	4	40	0					179/0		163/0			113/0	114/0
326		20	D					3							167/0					112/0	111/0
327		30	D					3							166/0					109/0	110/0
328		A	O					6	10	15					157/0	158/0	159/0		146/0	129/0	130/0
329		B	O					4							156/0	155/0				128/0	127/0
330		O	D					4							163/0	164/0	165/0		147/0		
331		10	D					4							162/0	161/0	160/0		148/0		
332		A	O					6	40						152/0	151/0	150/0		149/0	132/0	131/0
333		B	O					4							153/0	154/0				133/0	134/0
334		E	O	0	0	0	0	2	10	0					687/0	686/0					
				</																	

1	7	13	19	25	31	37	43	49	55	61	67	75	76
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COEFFICIENTS: _____ IDPVAR(1) IDPVAR(2) NDV

α or β _____

SCHEDULES _____

TABLE III
DIMENSIONAL DATA

MODEL COMPONENT: BODY - BI

GENERAL DESCRIPTION: BASIC DELTA WING FUSELAGE PER NAR LINES DRAWING

VL70-000001

MODEL SCALE = .004

DRAWING NUMBER: VL000001

<u>DIMENSIONS:</u>	<u>THEORETICAL</u>		<u>ACTUAL MEASURED</u>
	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>	<u>MODEL SCALE</u>
Length	<u>1328.33</u>	<u>5.313</u>	<u> </u>
Max. Width - IN.	<u>237.96</u>	<u>0.952</u>	<u> </u>
Max. Depth - IN.	<u>238.00</u>	<u>0.952</u>	<u> </u>
Fineness Ratio - IN.	<u>5.527</u>	<u>5.527</u>	<u> </u>
Area-FT ²			
Max. Cross-Sectional	<u>326.0</u>	<u>.00522</u>	<u> </u>
Planform	<u> </u>	<u> </u>	<u> </u>
Wetted	<u> </u>	<u> </u>	<u> </u>
Base	<u> </u>	<u> </u>	<u> </u>

TABLE III
DIMENSIONAL DATA (Continued)

MODEL COMPONENT: BODY - CANOPY C1

GENERAL DESCRIPTION: CANOPY USED WITH BASIC DELTA WING FUSELAGE PER
NAR LINES DWG VL70-000001

MODEL SCALE = 0.004

DRAWING NUMBER: VL70-000001

<u>DIMENSIONS:</u>	<u>THEORETICAL</u>		<u>ACTUAL MEASURED</u>
	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>	<u>MODEL SCALE</u>
<u>STA FWD BULKHEAD, IN</u>	<u>340.00</u>	<u>1.3600</u>	
<u>STA, TRAILING EDGE, IN</u>	<u>560.00</u>	<u>2.240</u>	
Max. Depth			
Fineness Ratio			
Area			
Max. Cross-Sectional			
Planform			
Wetted			
Base			

Winshield consists of six (6) Panels.
Pilots Eye is at the following points.

FUS STA -IN	408.00
B. P. - IN	24.00
W. P. - IN	455.00

View Angle Available:

DEG Upward	20.00
DEG Downward	24.00

TABLE III
DIMENSIONAL DATA (Continued)

MODEL COMPONENT: BODY - MANIPULATOR HOUSING - DI

GENERAL DESCRIPTION: _____

SCALE MODEL = 0.004

DRAWING NUMBER: VL70-000001

<u>DIMENSIONS:</u>	<u>THEORETICAL</u>		<u>ACTUAL MEASURED</u>
	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>	<u>MODEL SCALE</u>
Length, IN	<u>967.0</u>	<u>3.8680</u>	_____
Max. Width, IN	<u>53.32</u>	<u>0.2132</u>	_____
Max. Depth, IN	<u>20.00</u>	<u>0.080</u>	_____
Fineness Ratio	_____	_____	_____
Area			
Max. Cross-Sectional	_____	_____	_____
Planform	_____	_____	_____
Wetted	_____	_____	_____
Base	_____	_____	_____

TABLE III
DIMENSIONAL DATA (Continued)

MODEL COMPONENT: BODY - ORBITAL MANEUVERING SYSTEM POD-MI

GENERAL DESCRIPTION: _____

MODEL SCALE = 0.004

DRAWING NUMBER: VL - 000001

<u>DIMENSIONS:</u>	<u>THEORETICAL</u>		<u>ACTUAL MEASURED</u>
	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>	<u>MODEL SCALE</u>
Length ~ IN	<u>290.67</u>	<u>1.1626</u>	_____
Max. Width ~ IN	<u>67.33</u>	<u>0.2693</u>	_____
Max. Depth ~ IN	<u>104.00</u>	<u>0.416</u>	_____
Fineness Ratio	<u>-</u>	<u>-</u>	_____
Area			
Max. Cross-Sectional	<u>-</u>	<u>-</u>	_____
Planform	<u>-</u>	<u>-</u>	_____
Wetted	<u>-</u>	<u>-</u>	_____
Base	<u>-</u>	<u>-</u>	_____

TABLE III
DIMENSIONAL DATA (Concluded)

MODEL COMPONENT: WING - WI

GENERAL DESCRIPTION: DELTA WING WITH -5° TWIST AND ROUNDED WING TIPS. WING
BLENDS INTO BODY, FOLLOWS NAR LINES, V70-00000¹, EQUIV. SPAN IS 78.604 % OF
THEORETICAL DELTA WING, MODEL SCALE = 0.004

DRAWING NUMBER: VL70-00000¹

DIMENSIONS:	THEORETICAL		ACTUAL MEASURED
	FULL-SCALE	MODEL SCALE	MODEL SCALE
<u>TOTAL DATA</u>			
Area			
Planform	3221.92	.05155	
Wetted	-	-	
Span (equivalent)	1007.8	4.0312	
Aspect Ratio	2.144	2.144	
Rate of Taper	1.191	1.191	
Taper Ratio	0.219	0.219	
Diehedral Angle, degrees	3.500	3.500	
Incidence Angle, degrees	3.000	3.000	
Aerodynamic Twist, degrees	-5.000	-5.000	
Toe-In Angle	3.000	3.000	
Cant Angle	-2.000	-2.000	
Sweep Back Angles, degrees			
Leading Edge	49.910	49.910	
Trailing Edge	-0.183	-0.183	
0.25 Element Line	41.675	41.675	
Chords:			
Root (Wing Sta. 0.0)	760.56	3.0422	
Tip, (equivalent)	159.72	0.6388	
MAC	525.4	2.0976	
Fus. Sta. of .25 MAC	1132.98	4.5319	
W.P. of .25 MAC	304.55	1.2182	
B.L. of .25 MAC	196.09	.7843	
Airfoil Section			
Root			
Tip			
<u>EXPOSED DATA</u>			
Area	2203.00	0.03524	
Span, (equivalent)	795.86	3.1834	
Aspect Ratio	1.966	1.966	
Taper Ratio	0.260	0.260	
Chords			
Root	641.57	2.5662	
Tip	166.68	.6667	
MAC	450.63	1.8025	
Fus. Sta. of .25 MAC	1190.82	4.7633	
W.P. of .25 MAC	305.47	1.2219	
B.L. of .25 MAC	260.80	1.0432	
Leading Edge Cuff			
Planform Area (in W.R.P.) Ft. ²		271.39	0043
Leading edge intersects fuselage ML - @ sta. in.		540.00	2.1600

TABLE III
DIMENSIONAL DATA (Continued)

MODEL COMPONENT: ELEVON - EI (DATA FOR 1 of 2 SIDES)

GENERAL DESCRIPTION: FULL SPAN, CONSTANT CHORD ELEVON LOCATED ON
WING WI.

MODEL SCALE = 0.004

DRAWING NUMBER: VL70.000001

<u>DIMENSIONS:</u>	<u>THEORETICAL</u>		<u>ACTUAL MEASURED</u>
	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>	<u>MODEL SCALE</u>
Area (TRUE), FT ²	<u>347.2</u>	<u>.00555</u>	<u> </u>
Span (equivalent)	<u>384.0</u>	<u>1.536</u>	<u> </u>
Inb'd equivalent chord	<u>134.38</u>	<u>.537</u>	<u> </u>
Outb'd equivalent chord	<u>134.38</u>	<u>.537</u>	<u> </u>
Ratio movable surface chord/ total surface chord			
At Inb'd equiv. chord	<u>0.209</u>	<u>0.209</u>	<u> </u>
At Outb'd equiv. chord	<u>0.805</u>	<u>0.805</u>	<u> </u>
Sweep Back Angles, degrees			
Leading Edge	<u>-0.183</u>	<u>-0.183</u>	<u> </u>
Tailing Edge	<u>-0.183</u>	<u>-0.183</u>	<u> </u>
Hingeline	<u>-0.183</u>	<u>-0.183</u>	<u> </u>
Area Moment	<u>4164.40</u>	<u>0.00026</u>	<u> </u>
(Normal to hinge line)			
(PRODUCT OF AREA & MEAN CHORD)			

TABLE III
DIMENSIONAL DATA (Continued)

MODEL COMPONENT: VERTICAL TAIL - VI

GENERAL DESCRIPTION: CENTERLINE VERTICAL ON DELTA WING CONFIGURATION WITH
DOUBLE WEDGE AIRFOIL AND ROUNDED LEADING EDGE. TOTAL DATA INCLUDES VOID
AREA LISTED BELOW. SCALE MODEL = 0.004

DRAWING NUMBER: VL70-00000¹

DIMENSIONS:

	<u>THEORETICAL</u>		<u>ACTUAL MEASURED</u>
<u>TOTAL DATA</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>	<u>MODEL SCALE</u>
Area	415.25	.00664	
Planform	1.29	.00002	
Wetted	19.93	.00032	
Span (equivalent)	323.9	1.2956	
Aspect Ratio	1.675	1.675	
Rate of Taper	0.504	0.504	
Taper Ratio	0.424	0.424	
Dihedral Angle, degrees	-	-	
Incidence Angle, degrees	-	-	
Aerodynamic Twist, degrees	-	-	
Toe-In Angle	0.0	0.0	
Cant Angle	0.0	0.0	
Sweep Back Angles, degrees			
Leading Edge	45.000	45.000	
Trailing Edge	26.361	26.361	
0.25 Element Line	41.150	41.150	
Chords:			
Root (Wing Sta. 0.0)	275.52	1.1021	
Tip, (equivalent)	111.4	0.448	
MAC	205.0	0.820	
Fus. Sta. of .25 MAC	1462.2	5.849	
W.P. of .25 MAC	639.0	2.556	
B.L. of .25 MAC	0.0	0.0	
Airfoil Section 5° HALF ANGLE			
Root DOUBLE WEDGE WITH			
Tip ROUNDED L.E. =			
<u>EXPOSED DATA</u>			
Area			
Span, (equivalent)			
Aspect Ratio			
Taper Ratio			
Chords			
Root			
Tip			
MAC			
Fus. Sta. of .25 MAC			
W.P. of .25 MAC			
B.L. of .25 MAC			

*Void area located at the lower, aft portion of the surface

TABLE III
DIMENSIONAL DATA (Continued)

MODEL COMPONENT: RUDDER - RI

GENERAL DESCRIPTION: RUDDER ON CENTERLINE VERTICAL TAIL, VI

MODEL SCALE = 0.004

DRAWING NUMBER: VL70-000001

<u>DIMENSIONS:</u>	<u>THEORETICAL</u>		<u>ACTUAL MEASURED</u>
	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>	<u>MODEL SCALE</u>
Area ~FT ²	<u>117.7</u>	<u>.00188</u>	<u> </u>
Span (equivalent) ~in	<u>226.0</u>	<u>0.9040</u>	<u> </u>
Inb'd equivalent chord ~in	<u>97.09</u>	<u>.3884</u>	<u> </u>
Outb'd equivalent chord ~in	<u>52.02</u>	<u>.2081</u>	<u> </u>
Ratio movable surface chord/ total surface chord			
At Inb'd equiv. chord	<u>0.400</u>	<u>0.400</u>	<u> </u>
At Outb'd equiv. chord	<u>0.400</u>	<u>0.400</u>	<u> </u>
Sweep Back Angles, degrees			
Leading Edge	<u>34.889</u>	<u>34.889</u>	<u> </u>
Tailing Edge	<u>26.361</u>	<u>26.361</u>	<u> </u>
Hingeline	<u>34.889</u>	<u>34.889</u>	<u> </u>
Area Moment	<u>647.77</u>	<u>.00004</u>	<u> </u>
(Normal to hinge line)			
(PRODUCT OF AREA AND MEAN CHORD)			

TABLE IV.
INDEX OF MODEL FIGURES

FIGURE	DESCRIPTION	PAGE
1.	Axis System	27
2.	General Arrangement of Orbiter Model	28
3.	Location of Grit on Model	29
4.	Definition of Base and Cavity Areas for Axial Force Corrections	30
5.	Side View Photograph of Configuration B ₁ C ₁ D ₁ M ₁ F ₁ W ₁ E ₁ V ₁ R ₁ With Elevons Deflected-20°	31

TABLE V. INDEX OF DATA FIGURES

TITLE	PLOTTED COEFFICIENTS SCHEDULE	CONDITIONS VARYING	PAGES
Longitudinal Characteristics for Body Build-up	(A)	CONFIGURATION MACH	1-60
Effect of Full Elevator Deflection on Baseline Configuration	(A)	ELEVTR MACH	61-120
Effect of Outboard Only Elevator Deflections on Baseline Configuration	(A)	OBDELV MACH	121-180
Effect of Full Aileron Deflection with Baseline Configuration	(A)	AILRON MACH	181-240
	(B)		241-258
Effect of Outboard Only Aileron Deflection with Baseline Configuration	(A)	OBDAIL MACH	259-318
	(B)		319-336
Effect of Rudder Flare with Baseline Configuration	(A)	RUDFLR MACH	337-396
	(B)		397-414
Effect of Rudder Deflection with Baseline Configuration	(A)	RUDDER RUDFLR MACH	415-474
	(B)		475-492
Lateral-Directional Characteristics for Body Build-up	(C)	ALPHA MACH CONFIGURATION	493-546

TABLE V. (CONCLUDED)

TITLE	PLOTTED COEFFICIENTS SCHEDULE	CONDITIONS VARYING	PAGES
Lateral-Directional Stability Characteristics for for Body Build-up	(D)	CONFIGURATION MACH	547-558
Effect of Elevator Deflection with Baseline Configuration	(C)	ELEVTR MACH	559-576
Effect of Rudder Flare with Baseline Configuration	(C)	ALPHA RUDFLR MACH	577-594
Lateral-Directional Stability Characteristics for Rudder Flare	(D)	RUDFLR MACH	595-603
Effect of Rudder Deflection with Baseline Configuration	(C)	ALPHA RUDDER MACH	604-621
Lateral-Directional Stability Characteristics for Rudder Deflection	(D)	RUDDER MACH	622-633
Incremental Characteristics for Full Elevon Deflection	(E)	ALPHA MACH	634-649
Incremental Characteristics for Outboard Elevon Deflection	(E)	ALPHA MACH	650-665
Summary Characteristics of Baseline Configuration	(F)	ELEVTR	666-667

PLOTTED COEFFICIENTS SCHEDULE:

(A) C_{IM} , C_N , C_{AF} , C_{AB} , C_L , C_D , L/D , X_{CP}/L versus ALPHA
 C_D versus C_L
 C_L versus C_{IM}

(B) C_Y , C_{YN} , C_{BL} versus ALPHA

(C) C_Y , C_{YN} , C_{BL} versus BETA

(D) $D(C_Y)$, $D(C_{YN})$, $D(C_{BL})$ versus ALPHA

(E) D_{CIM} , D_{CL} versus D_E

(F) $L/D(MAX)$, $C_L L/D(MAX)$ versus MACH

Notes:

1. Positive directions of force coefficients, moment coefficients, and angles are indicated by arrows.
2. For clarity, origins of wind and stability axes have been displaced from the center of gravity.

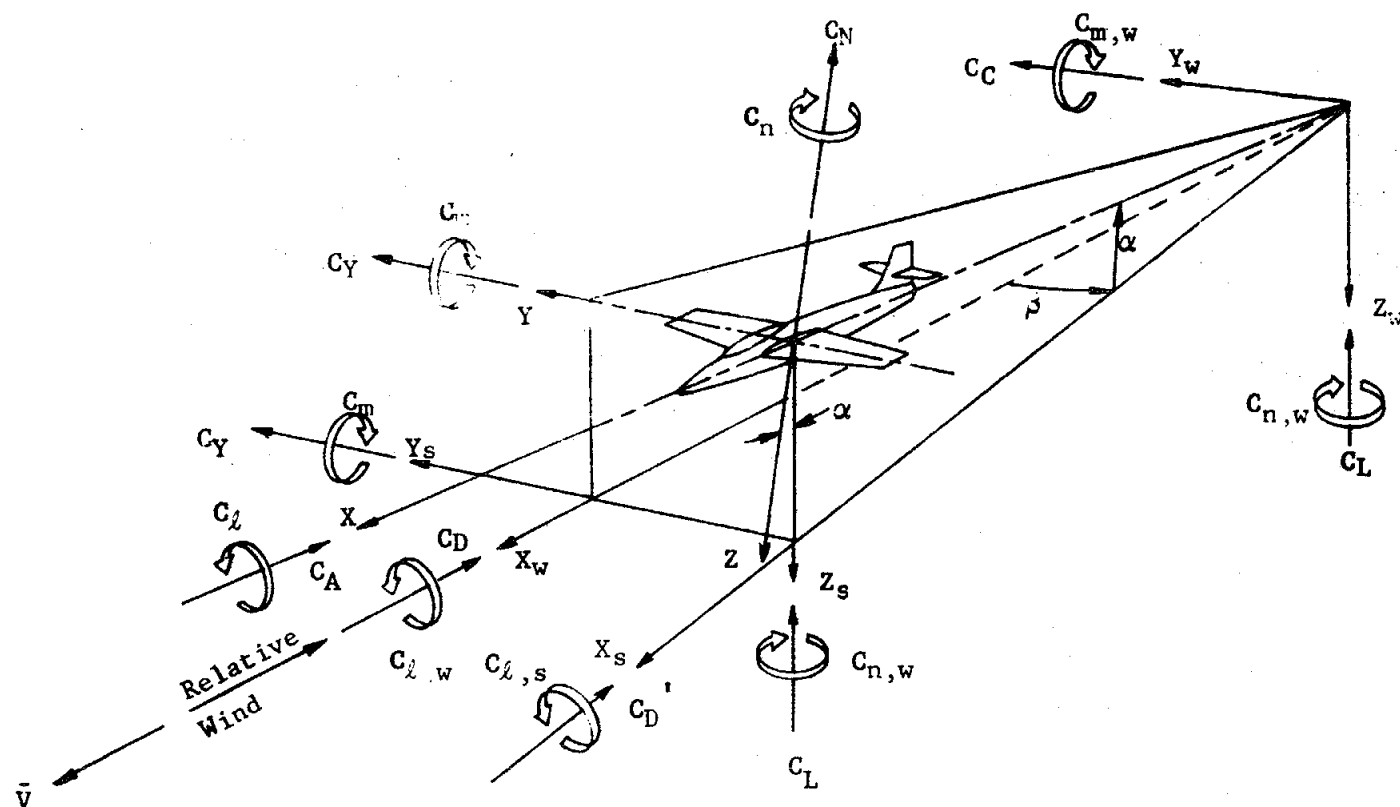


Figure 1. Axis systems, showing direction and sense of force and moment coefficients, angle of attack, and sideslip angle

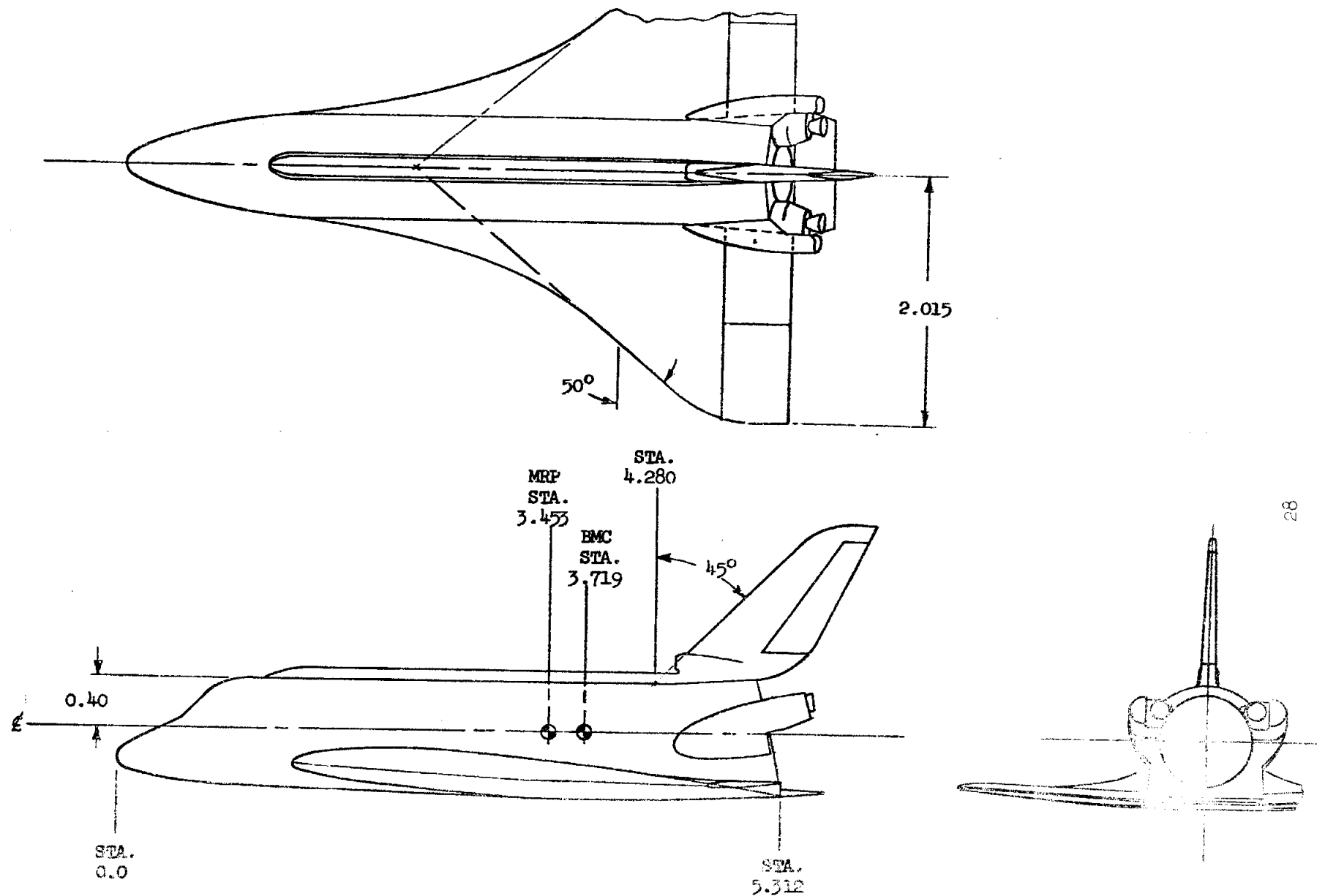
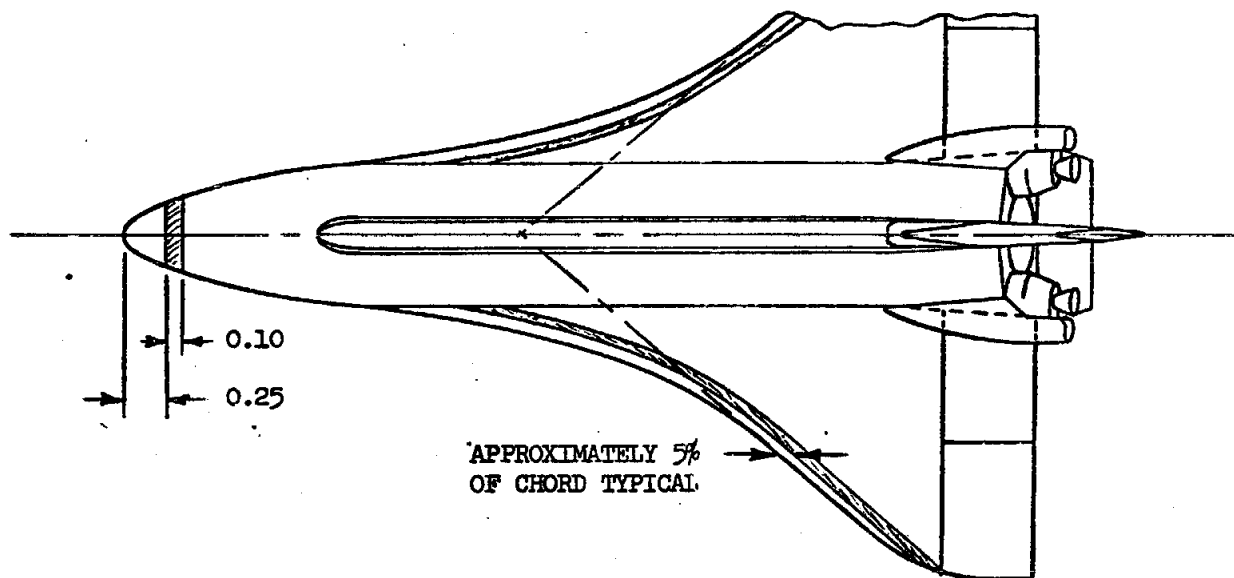


FIGURE 2 - GENERAL ARRANGEMENT OF ORBITER MODEL



NOTE: GRIT SIZE NUMBER 220

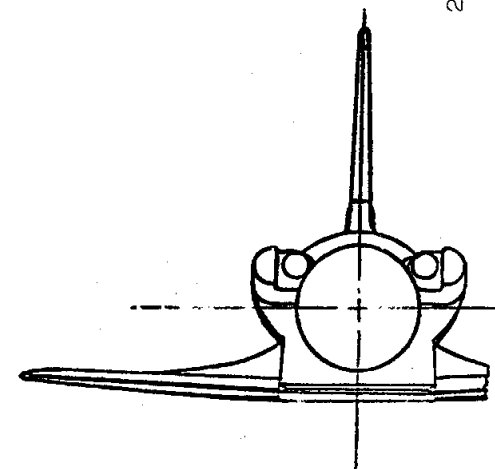
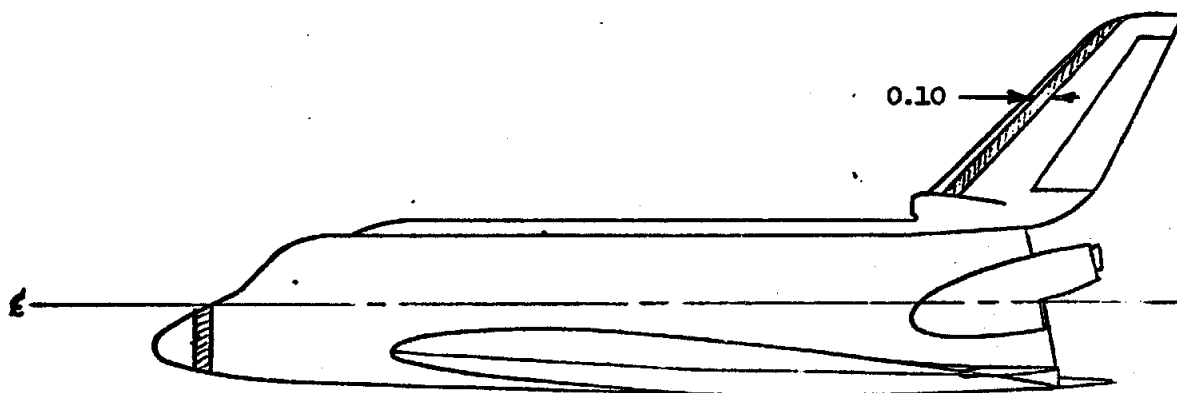


FIGURE 3 - LOCATION OF GRIT ON MODEL

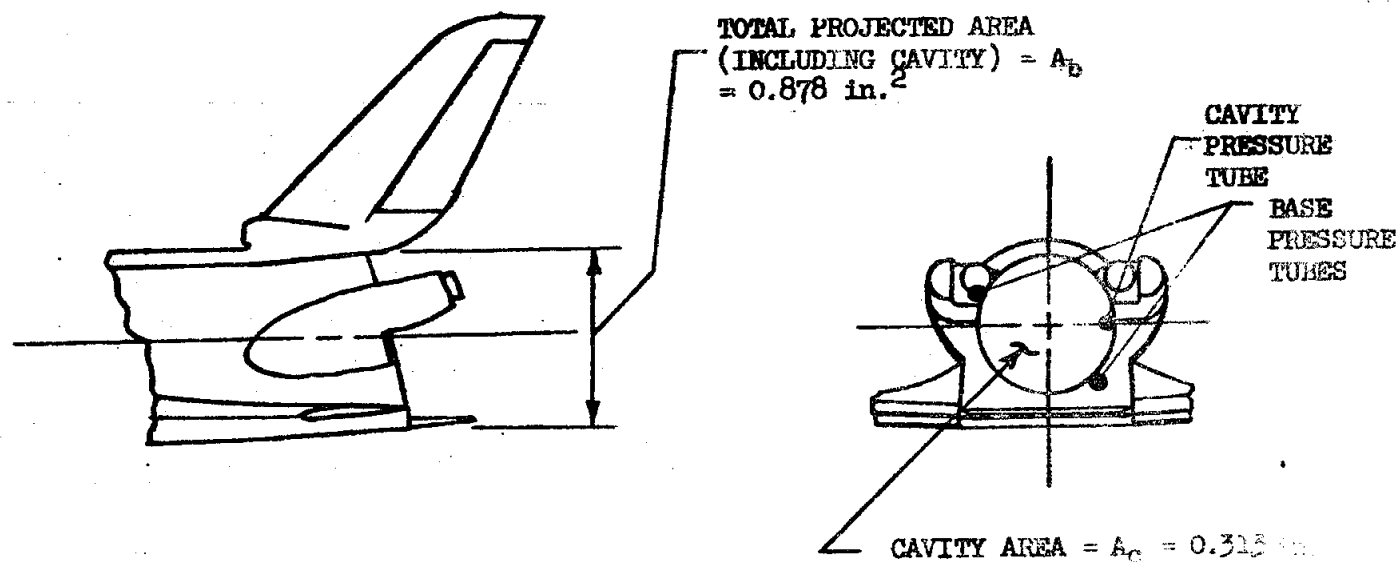
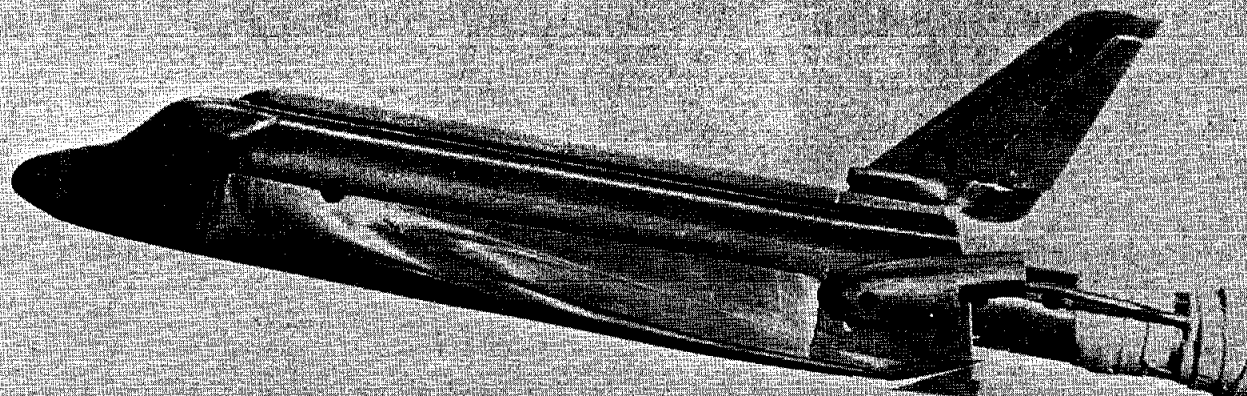


FIGURE 4 - DEFINITION OF BASE AND CAVITY AREAS FOR AXIAL FORCE CORRECTIONS

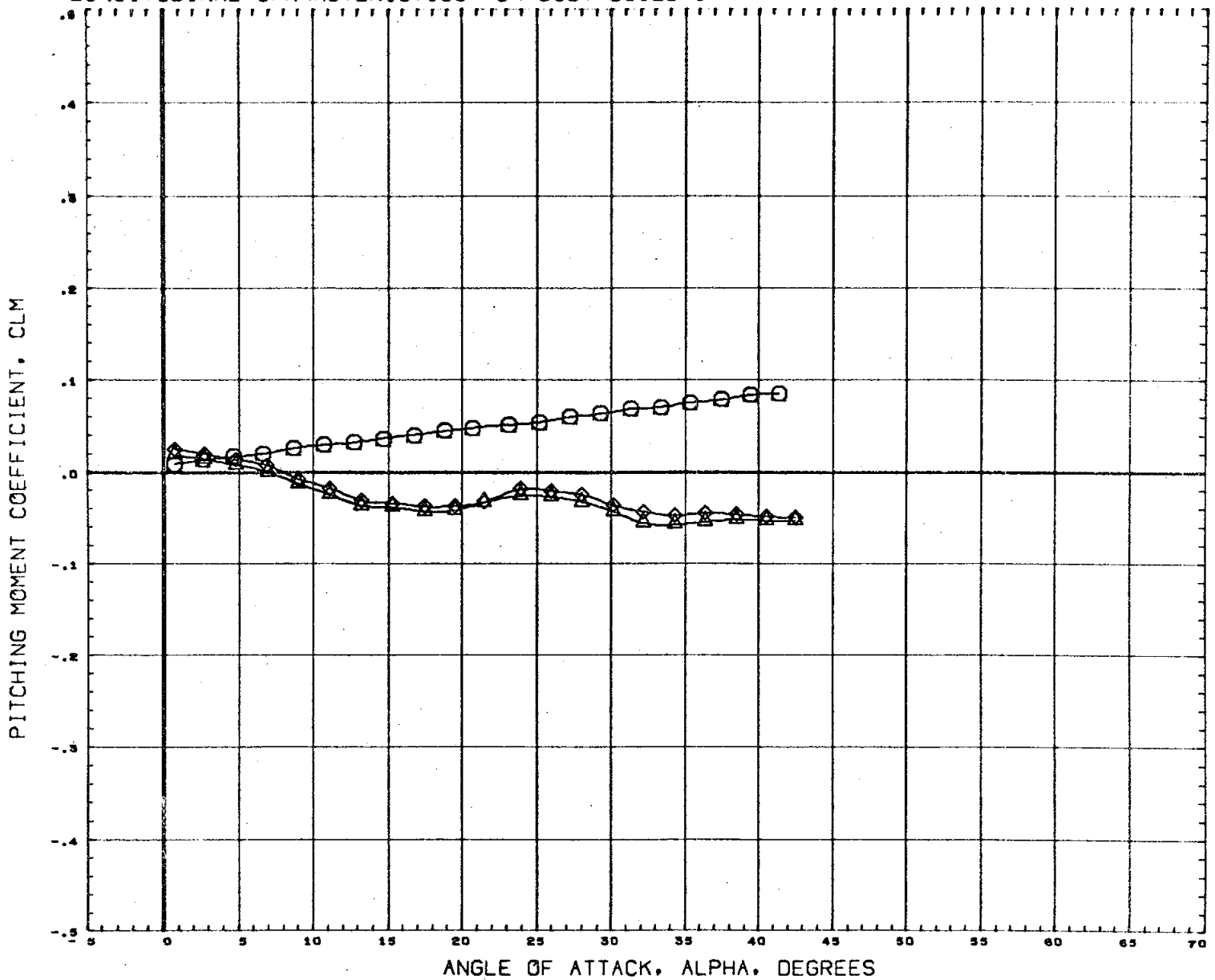
FIGURE 5 - SIDE VIEW PHOTOGRAPH OF CONFIGURATION B1C1D1M1F1W1E1V1R1
WITH ELEVONS DEFLECTED -20°



MSFC TWT 4555
SEPT 29 1972 RUN 41
CON FIG

W	E	S	V	R	S	0	1	2
1	1	1	1	1				

LONGITUDINAL CHARACTERISTICS FOR BODY BUILD-UP



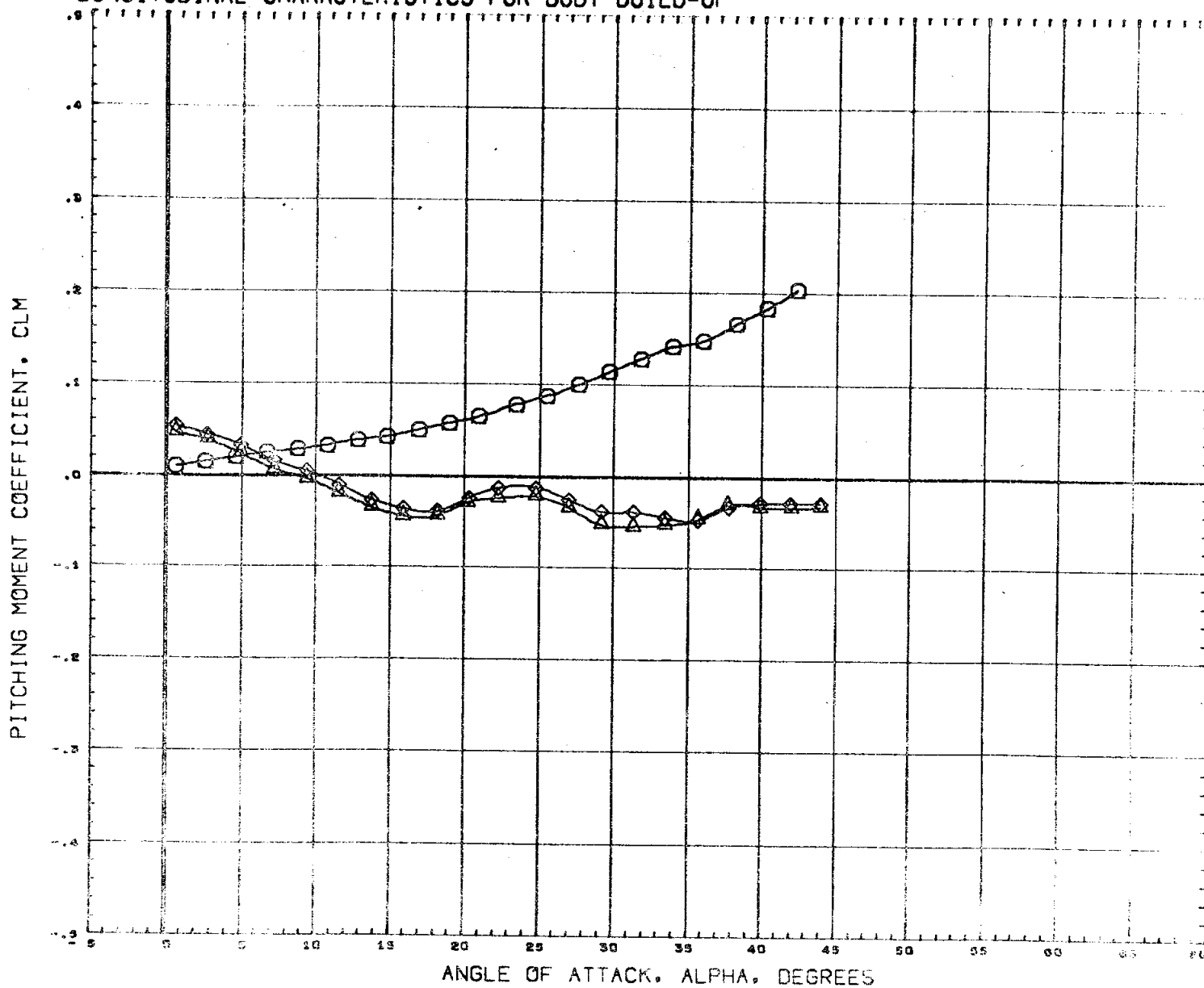
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(C7610S)	M555 (FAS) NAR ATP ORB (B1C1D1F1M1)	0.000
(C7620S)	M555 (FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1)	0.000
(C7630S)	M555 (FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000

REFERENCE INFORMATION		
SREF	7.4190	SG. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH .60

PAGE 1

LONGITUDINAL CHARACTERISTICS FOR BODY BUILD-UP



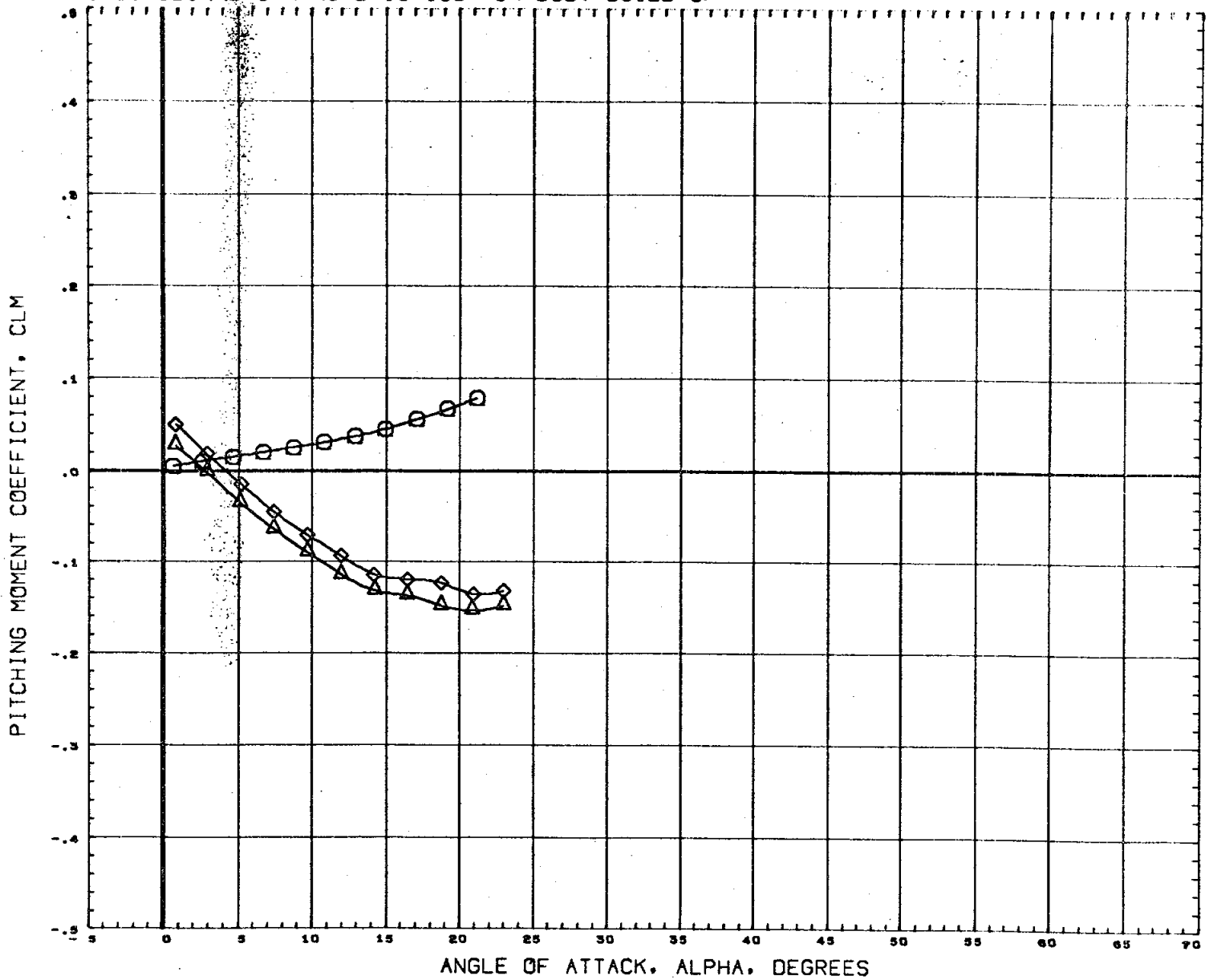
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA
(C7310S)	H555 (FA3) NAR ATP ORG (B1C1D1F1N1)	0.000
(C7620S)	H555 (FA3) NAR ATP ORG (B1C1D1F1N1) (W1E1)	0.000
(C7630S)	H555 (FA3) NAR ATP ORG (B1C1D1F1N1) (W1E1) (V1K1R1)	0.000

REFERENCE INFORMATION		
GREP	7.4191	90. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4830	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH .91

PAGE 2

LONGITUDINAL CHARACTERISTICS FOR BODY BUILD-UP

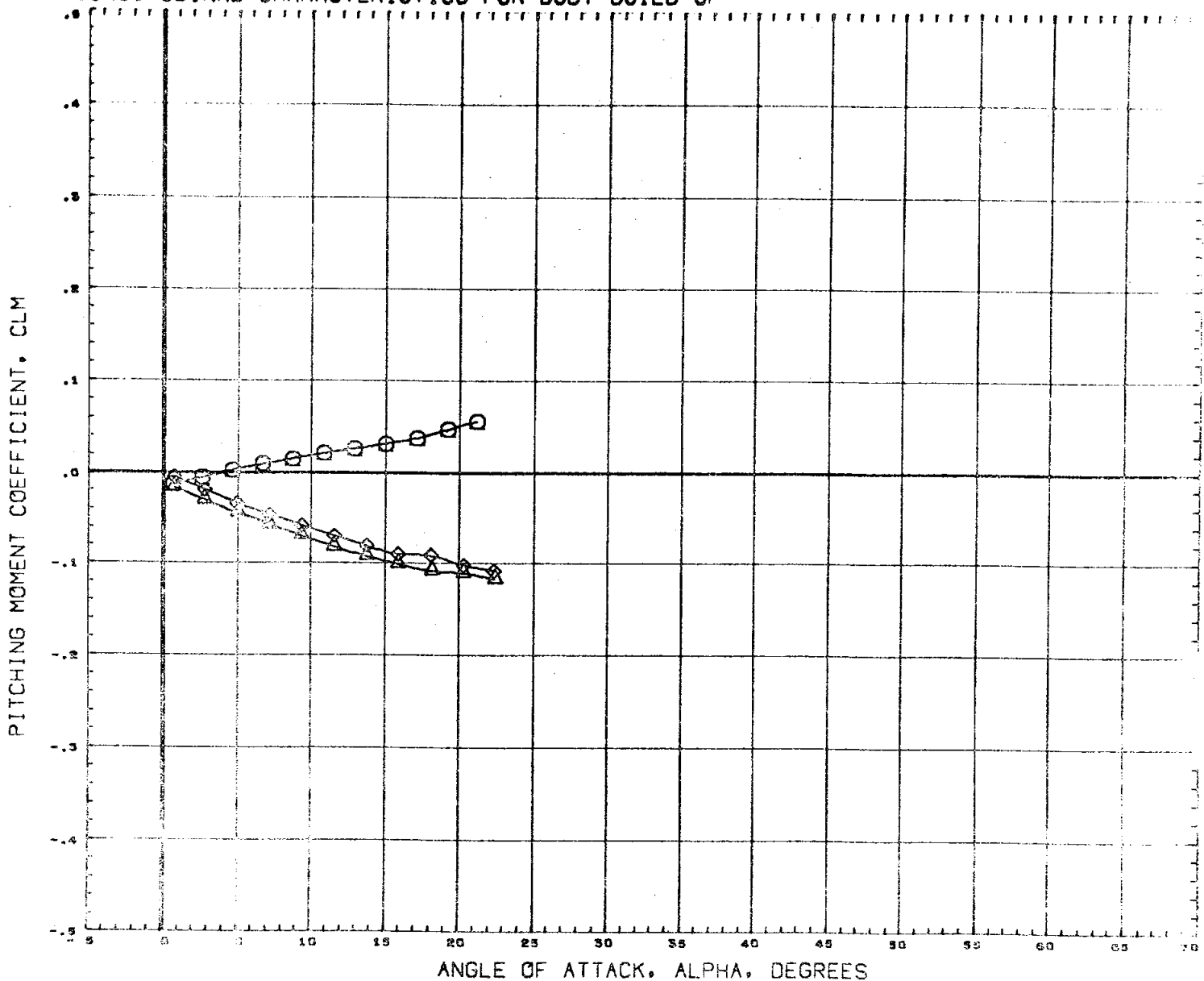


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA
(C7610S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1)	0.000
(C7620S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	0.000
(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 1.20

LONGITUDINAL CHARACTERISTICS FOR BODY BUILD-UP



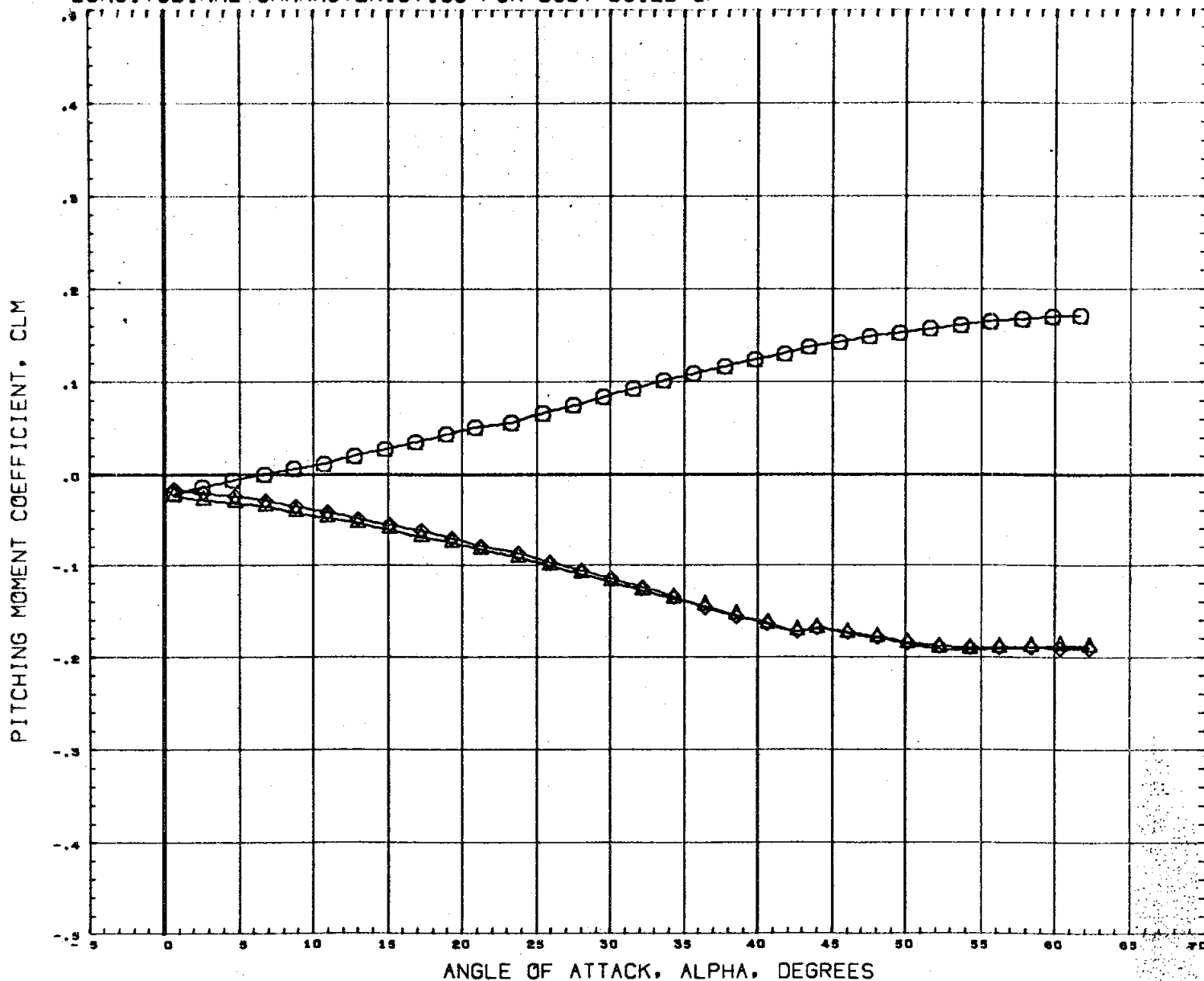
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA
(C7610S)	M555(FAB) NAR ATP ORB (B1C1D1F1M1)	0.000
(C7620S)	M555(FAB) NAR ATP ORB (B1C1D1F1M1) (W1E1)	0.000
(C7630S)	M555(FAB) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000

REFERENCE INFORMATION		
SRUF	7.4100	50. IN.
LRUF	2.1000	..
BRUF	4.0300	..
XRUF	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	..

MACH 1.07

PAGE 4

LONGITUDINAL CHARACTERISTICS FOR BODY BUILD-UP



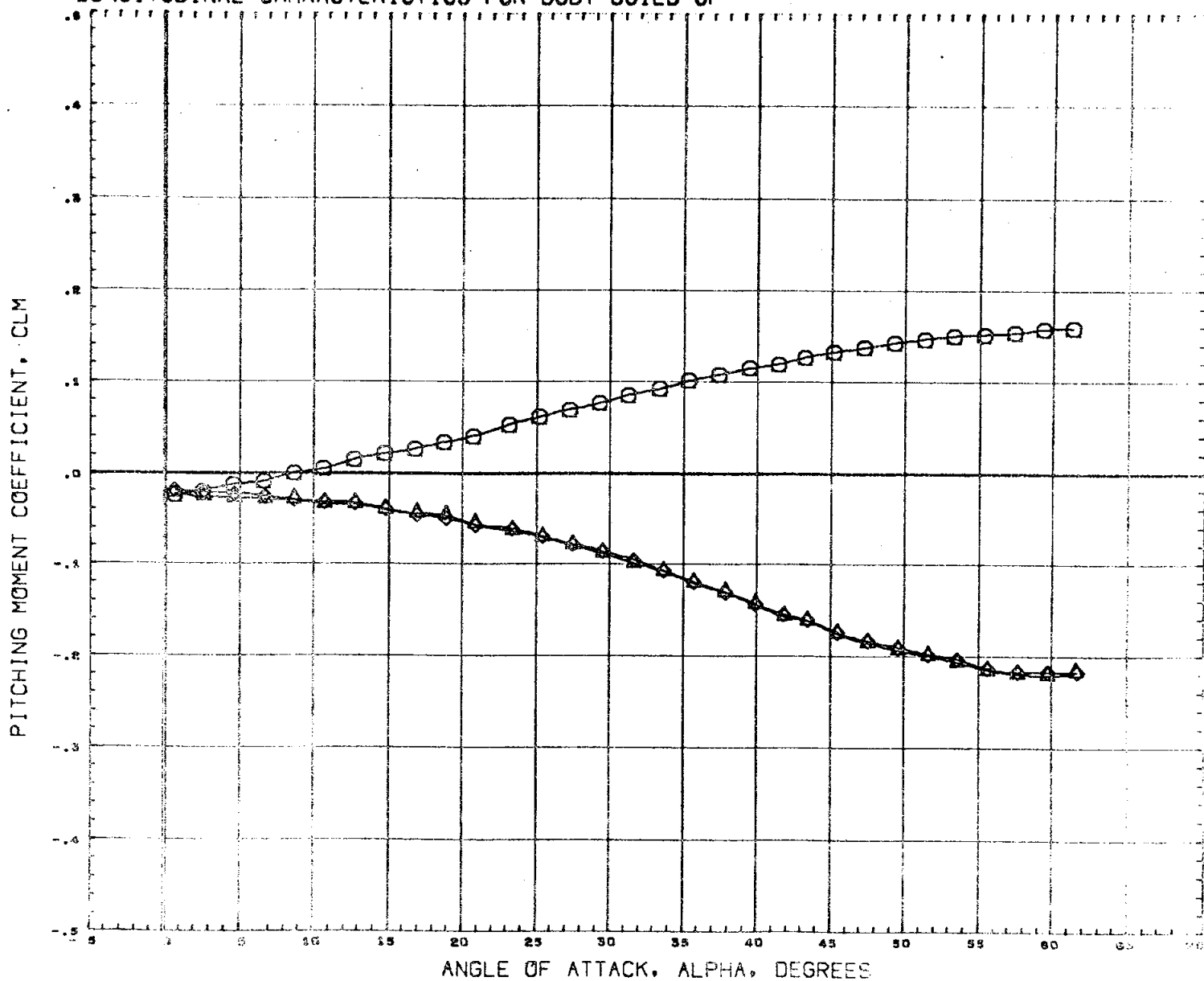
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(C7610S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1)	0.000
(C7620S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	0.000
(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 2.99

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LONGITUDINAL CHARACTERISTICS FOR BODY BUILD-UP



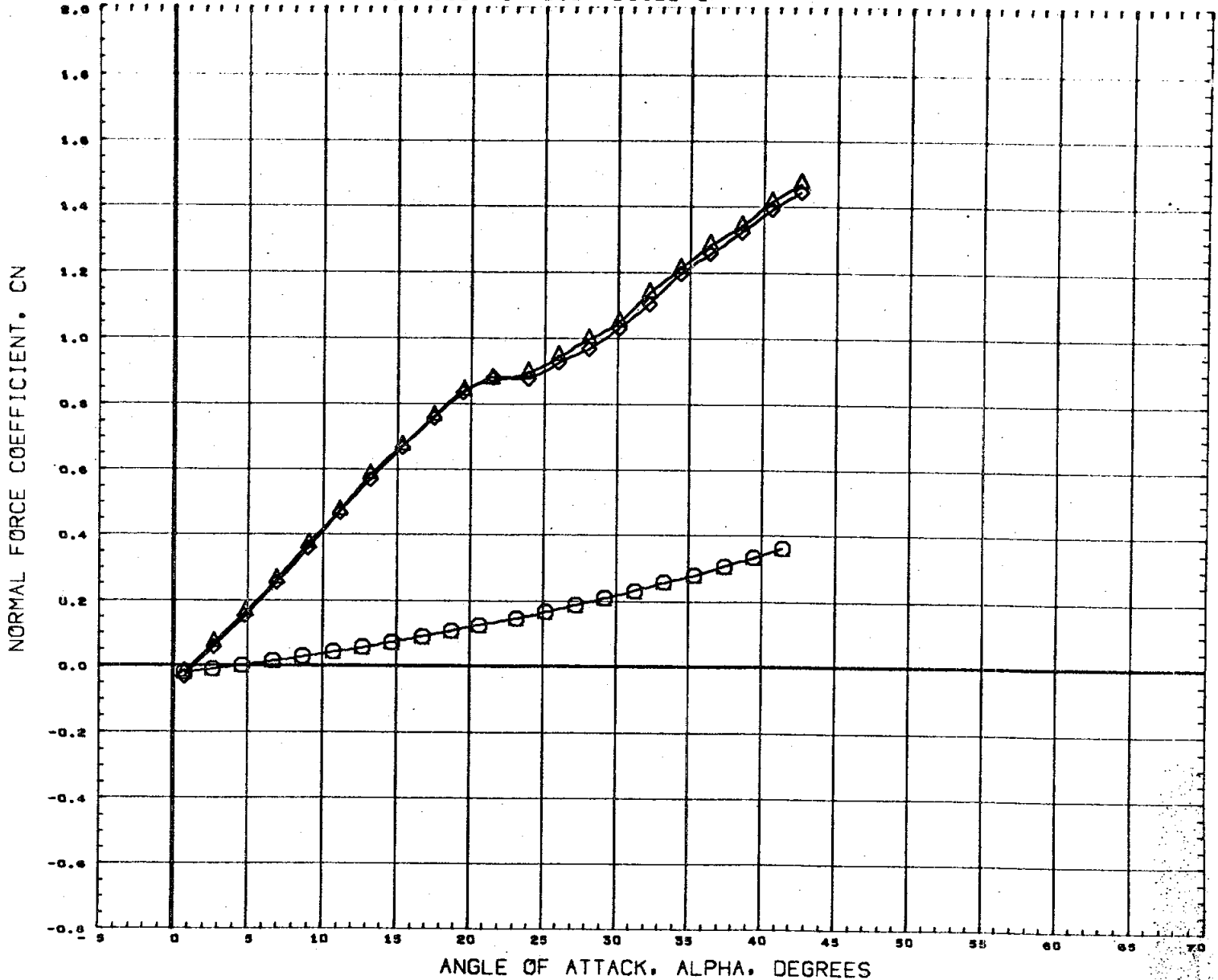
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(C7620S)	M555 (FAS) HAR ATP ORB (D1C1D1F1M1) (W1E1)	0.000
(C7630S)	M555 (FAS) HAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000

REFERENCE INFORMATION		
SREF	7.4190	SCAL IN.
LREF	2.1000	IN.
OREP	4.0000	IN.
XMRF	3.4530	IN.
YMRF	0.0000	IN.
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MACH 4.96

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LONGITUDINAL CHARACTERISTICS FOR BODY BUILD-UP

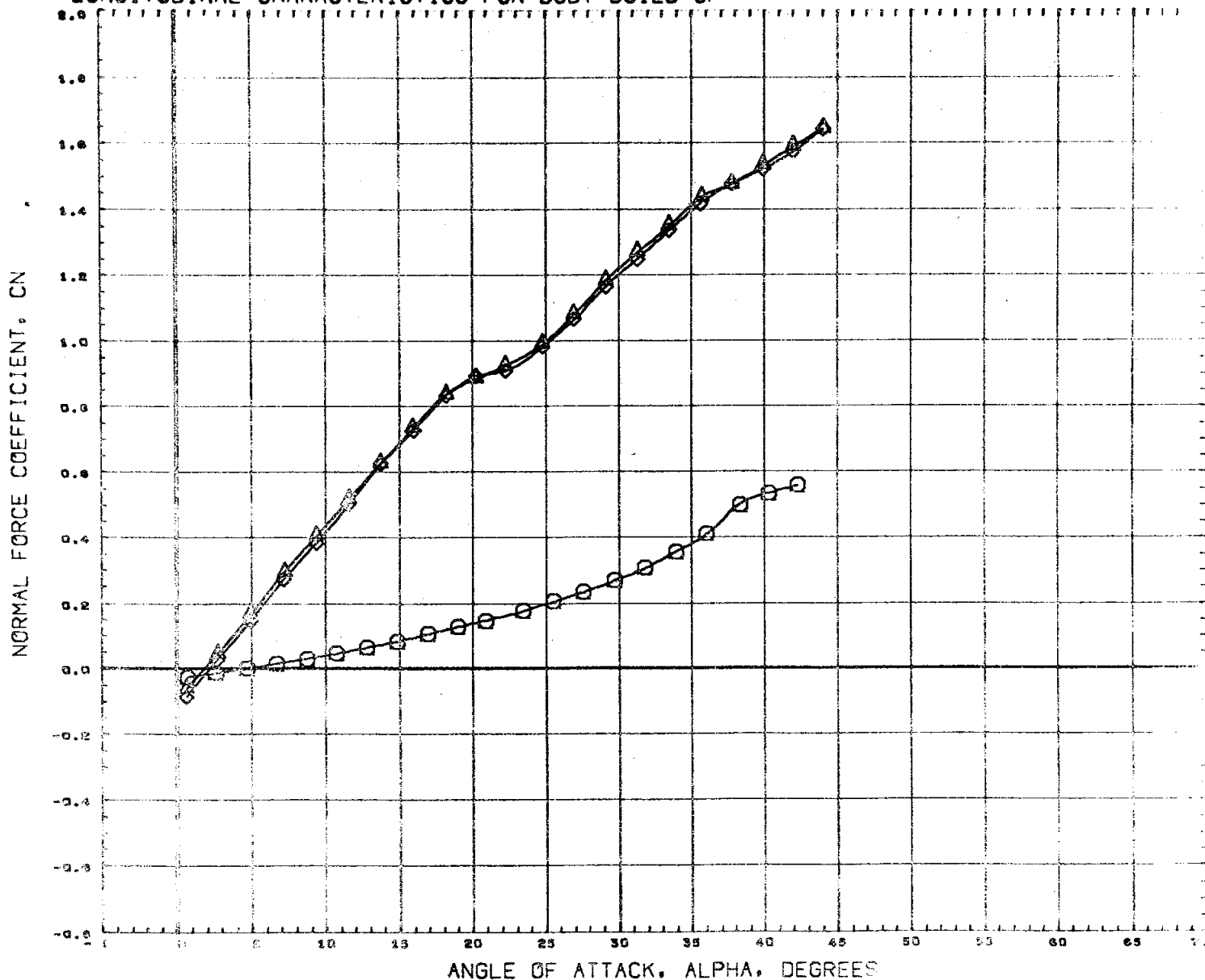


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA
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(C7620S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	0.000
(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000

REFERENCE INFORMATION		
SREF	7.4190	50. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRF	3.4530	IN.
YMRF	0.0000	IN.
ZMRF	0.0000	IN.
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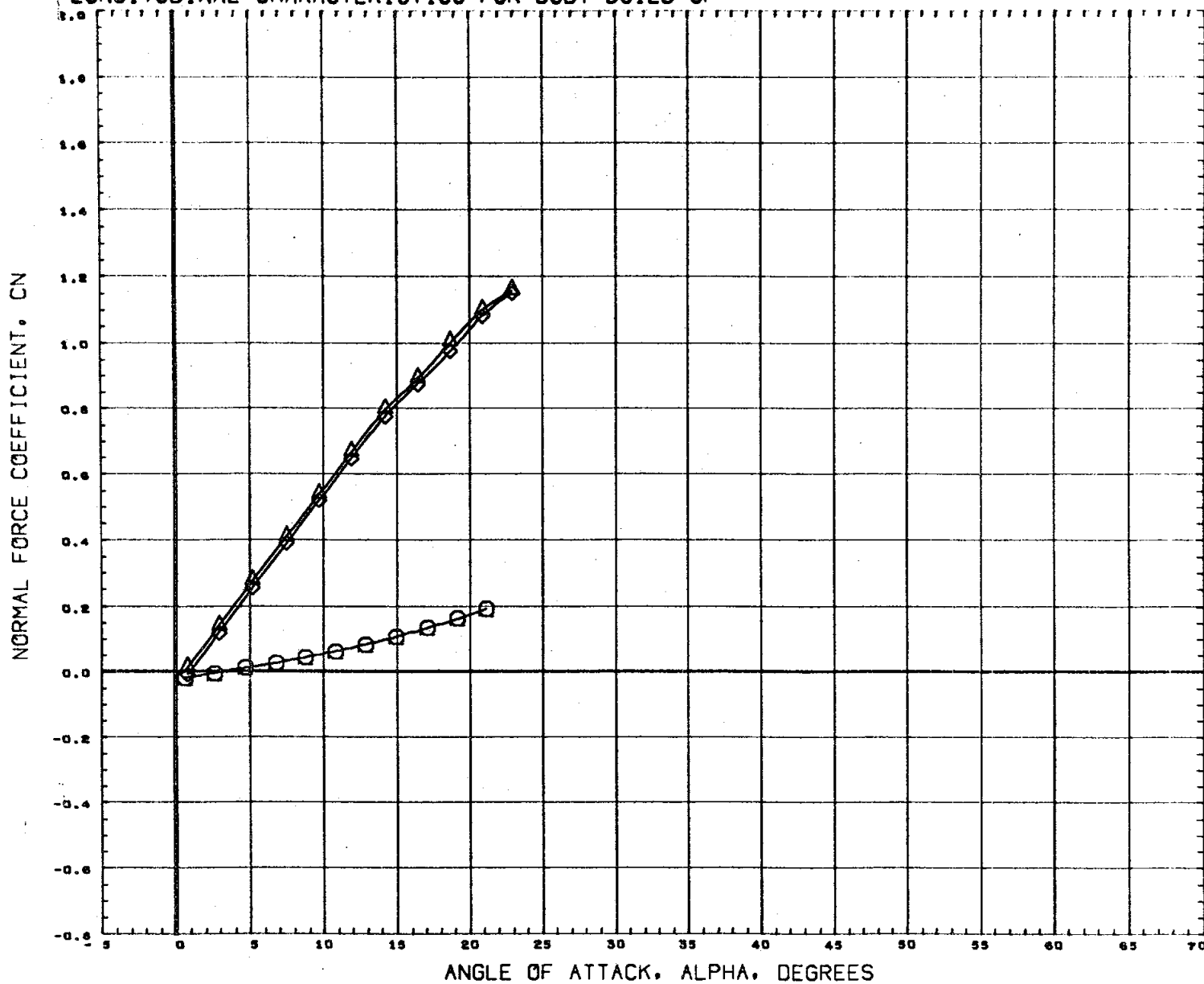
MACH .60

LONGITUDINAL CHARACTERISTICS FOR BODY BUILD-UP



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	REFERENCE INFORMATION	
(C76105)	M555 (FAS) NAR ATP ORB (B1C1D1F1M1)	0.000	SRFP	7.4100 60 IN.
(C76205)	M555 (FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1)	0.000	LRFP	2.1000 1N.
(C76305)	M555 (FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	SRFP	4.0000 1N.
			XMRP	3.4500 1N.
			YMRP	0.0000 1N.
			ZMRP	0.0000 1N.
			SCALE	0.0040

LONGITUDINAL CHARACTERISTICS FOR BODY BUILD-UP



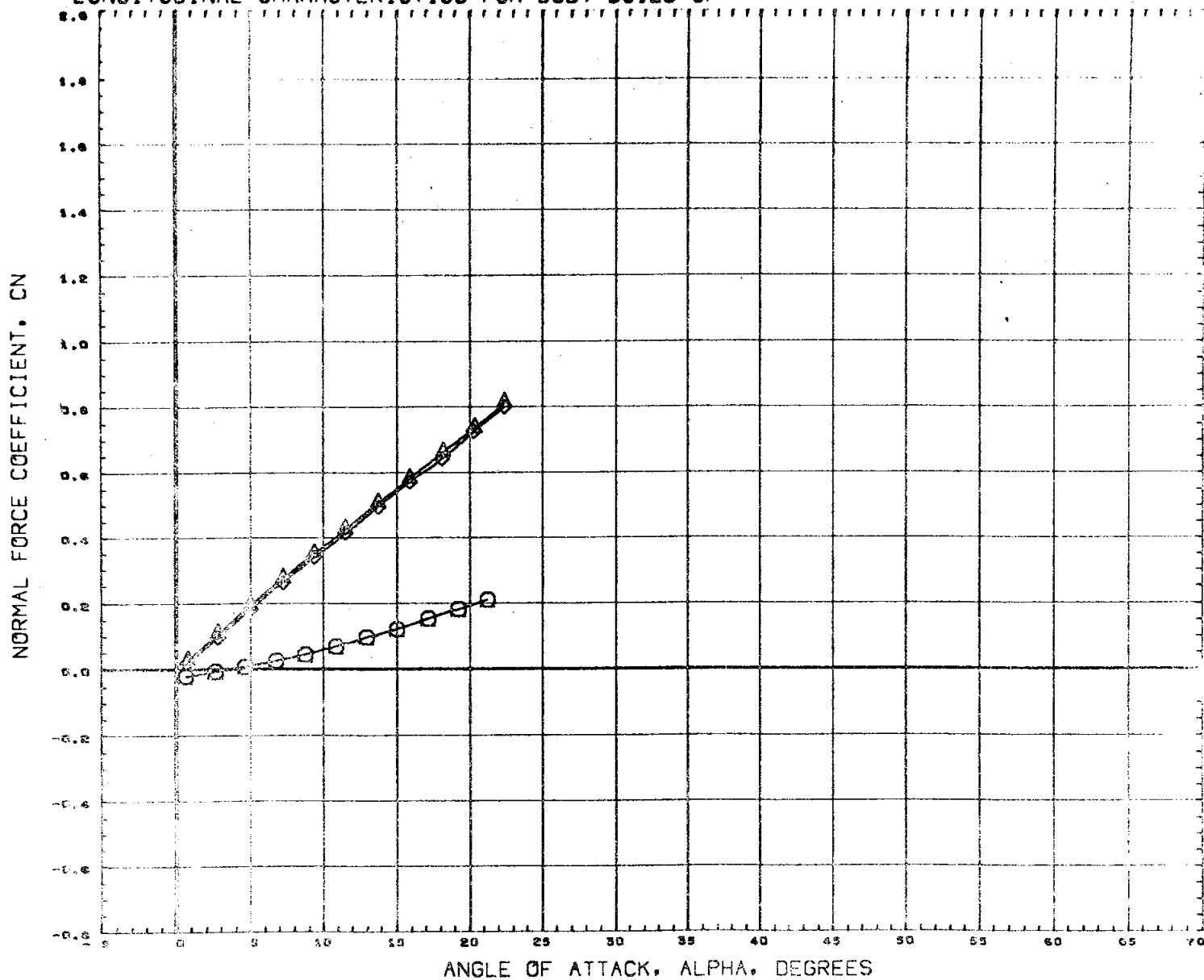
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(C7620S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	0.000
(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 1.20

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LONGITUDINAL CHARACTERISTICS FOR BODY BUILD-UP



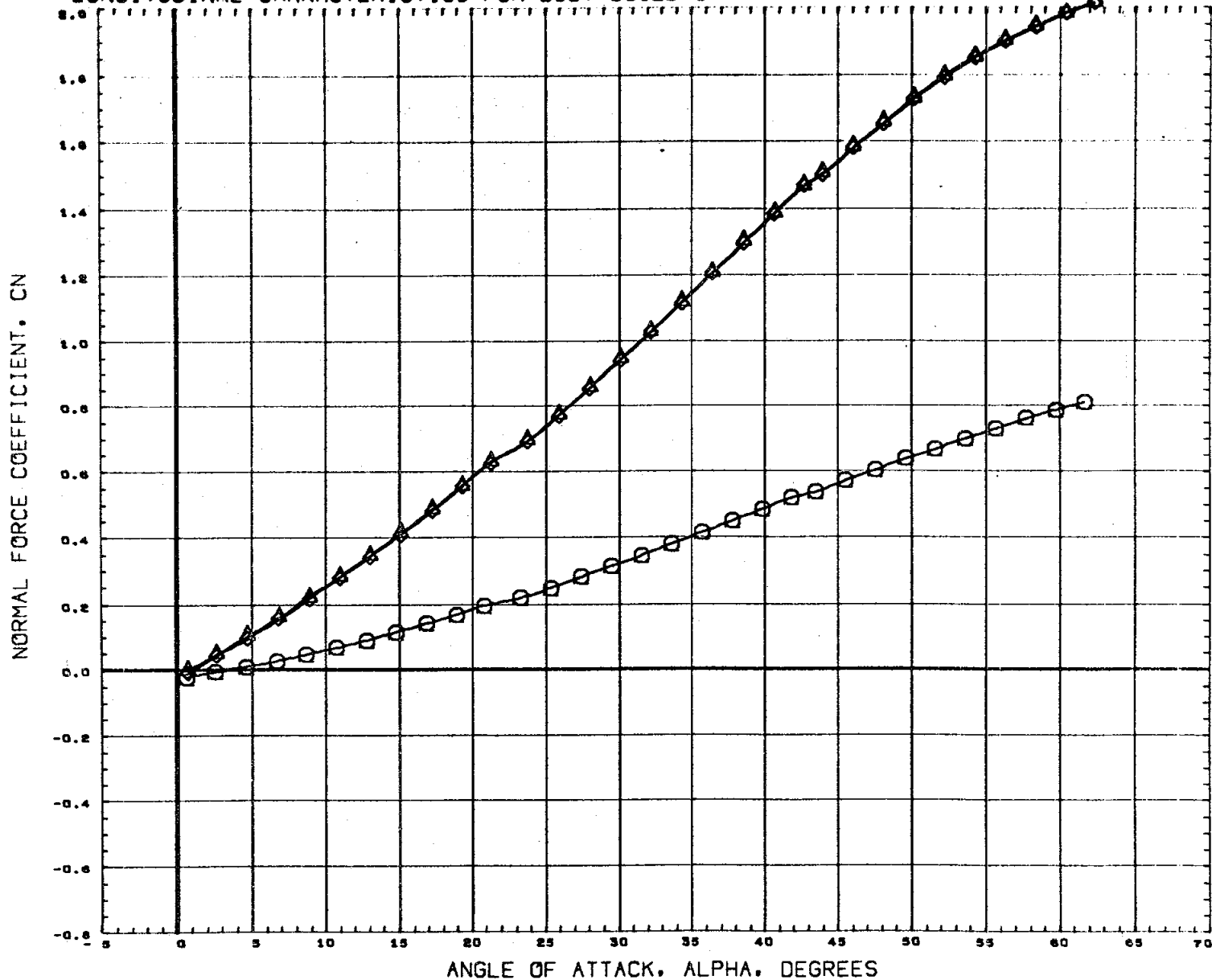
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(C7610S)	M555 (FAS) NAR ATP ORB (B1C1D1F1M1)	0.000
(C7620S)	M555 (FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1)	0.000
(C7630S)	M555 (FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XXRP	3.4830	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 1.96

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LONGITUDINAL CHARACTERISTICS FOR BODY BUILD-UP



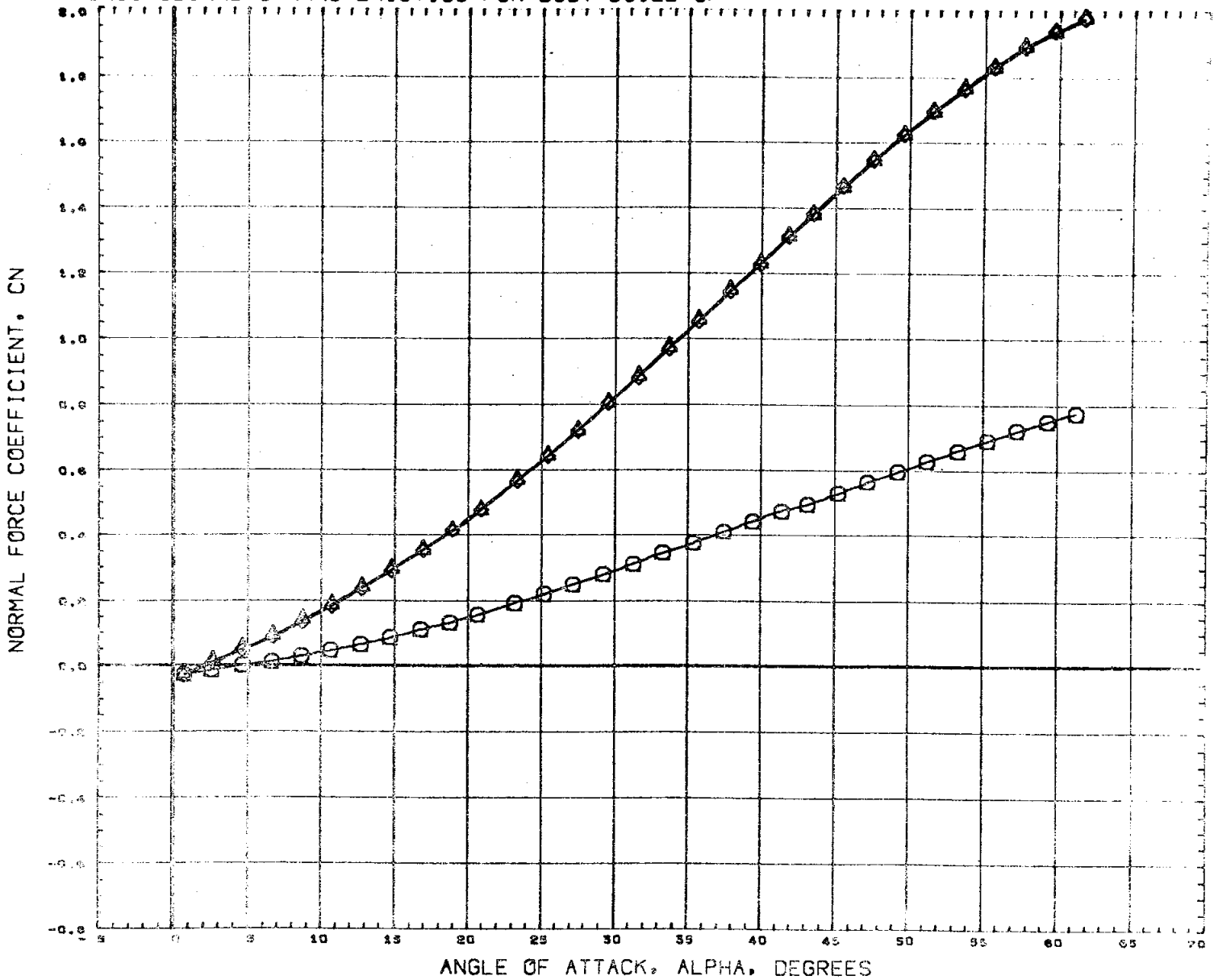
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA
(C7610S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1)	0.000
(C7620S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	0.000
(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRF	3.4530	IN.
YMRF	0.0000	IN.
ZMRF	0.0000	IN.
SCALE	0.0040	

MACH 2.99

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LONGITUDINAL CHARACTERISTICS FOR BODY BUILD-UP



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA
(C7610S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1)	0.000
(C7620S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	0.000
(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000

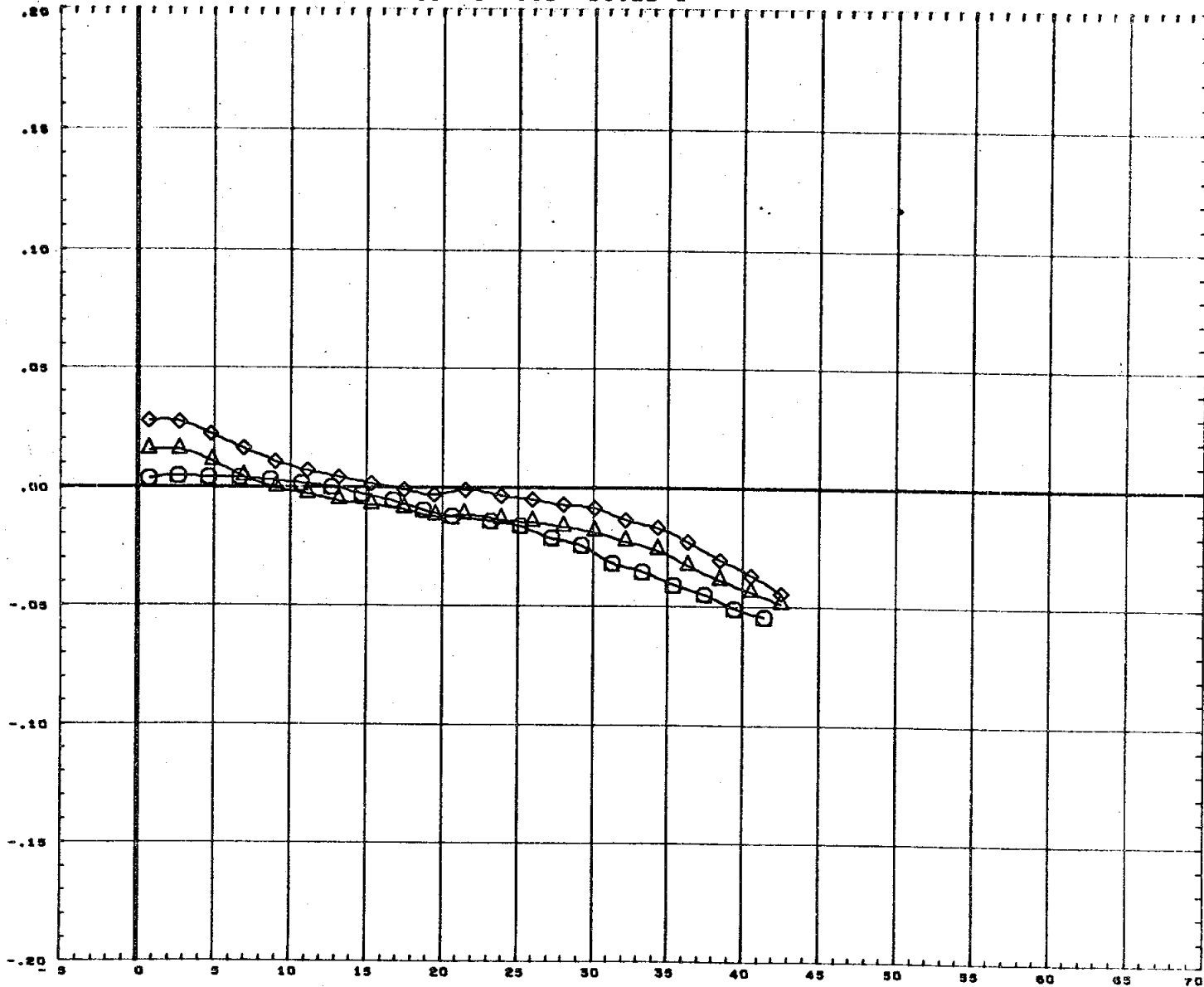
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BREF	4.0360	IN.
XMRF	3.4530	IN.
YMRF	0.0000	IN.
ZMRF	0.0000	IN.
SCALE	0.0040	

MACH 4.96

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LONGITUDINAL CHARACTERISTICS FOR BODY BUILD-UP

FOREBODY AXIAL FORCE COEFFICIENT, CAF



ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA
(C7610S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1)	0.000
(C7620S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	0.000
(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000

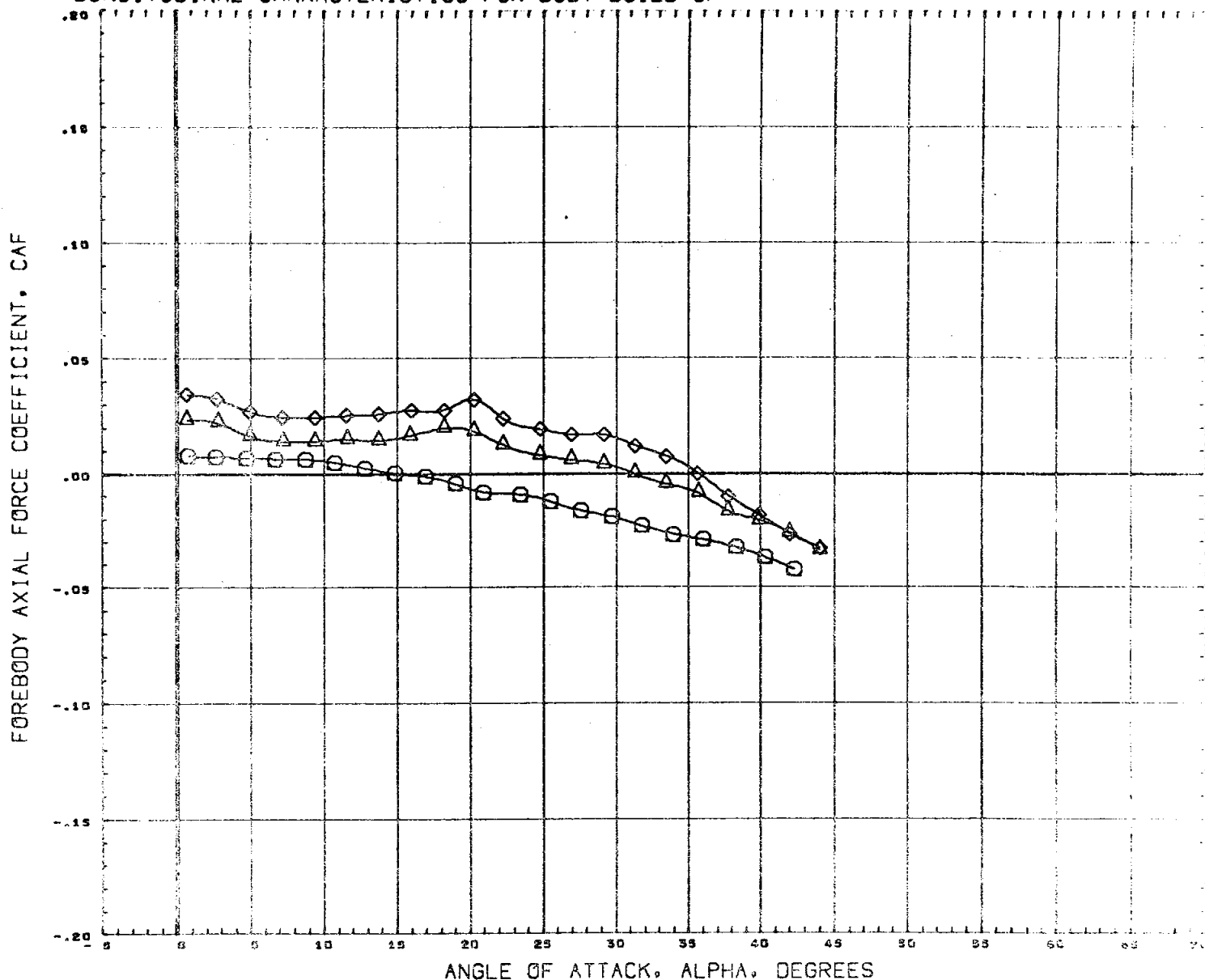
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LREF	2.1020	in.
BREF	4.0300	in.
XMRP	3.4530	in.
YMRP	0.0000	in.
ZMRP	0.0000	in.
SCALE	0.0040	

MACH

.60

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LONGITUDINAL CHARACTERISTICS FOR BODY BUILD-UP



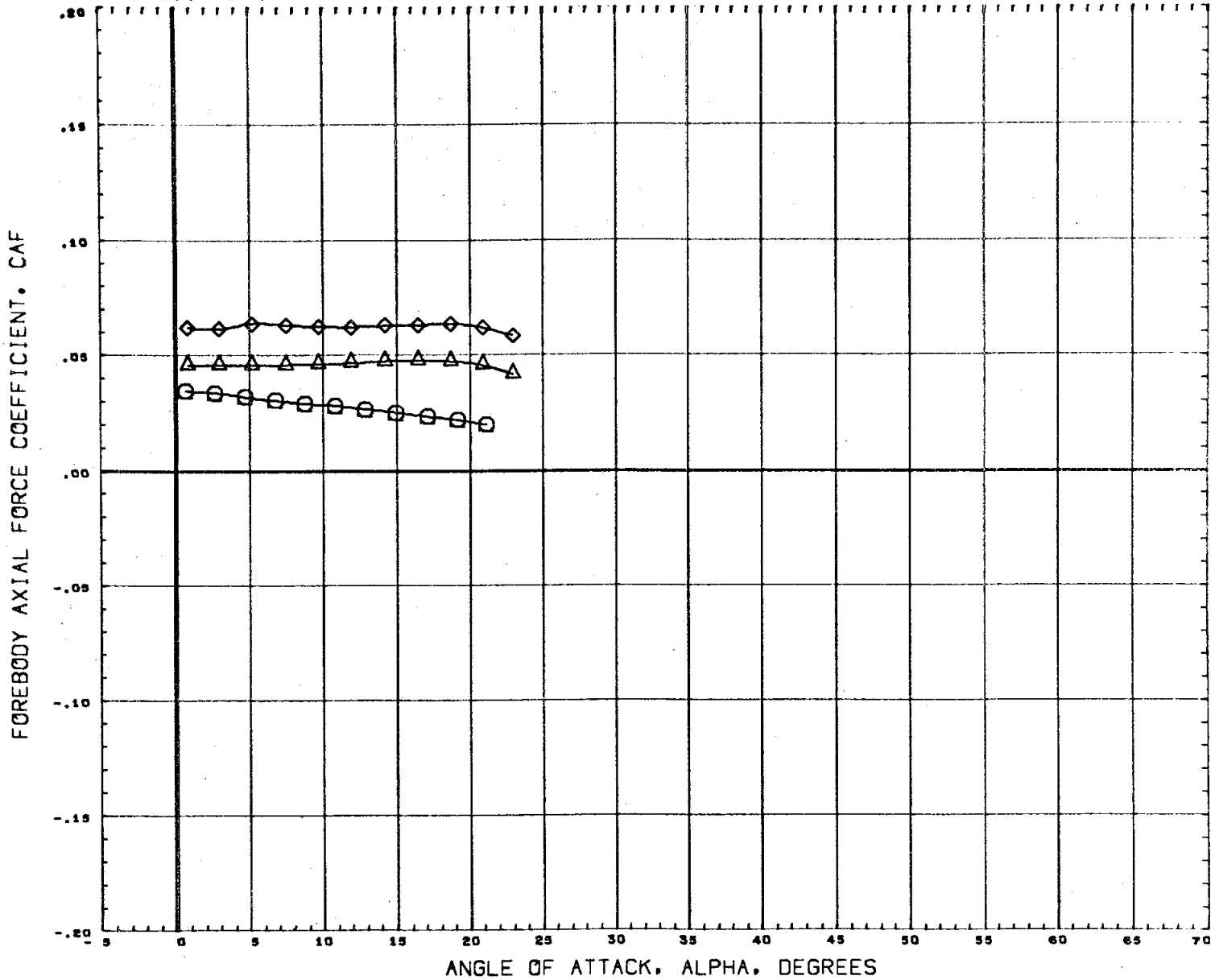
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA
(C7610S)	M555 (FA3) NAR ATP ORB (S1C1D1F1M1)	0.000
(C7620S)	M555 (FA3) NAR ATP ORB (S1C1D1F1M1) (W1E1)	0.000
(C7630S)	M555 (FA3) NAR ATP ORB (S1C1D1F1M1) (W1E1) (V1K1R1)	0.000

REFERENCE INFORMATION		
SRFP	7.4190	NO. IN.
LRFP	2.1020	IN.
SRFP	4.0000	IN.
YMRP	3.4300	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

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LONGITUDINAL CHARACTERISTICS FOR BODY BUILD-UP



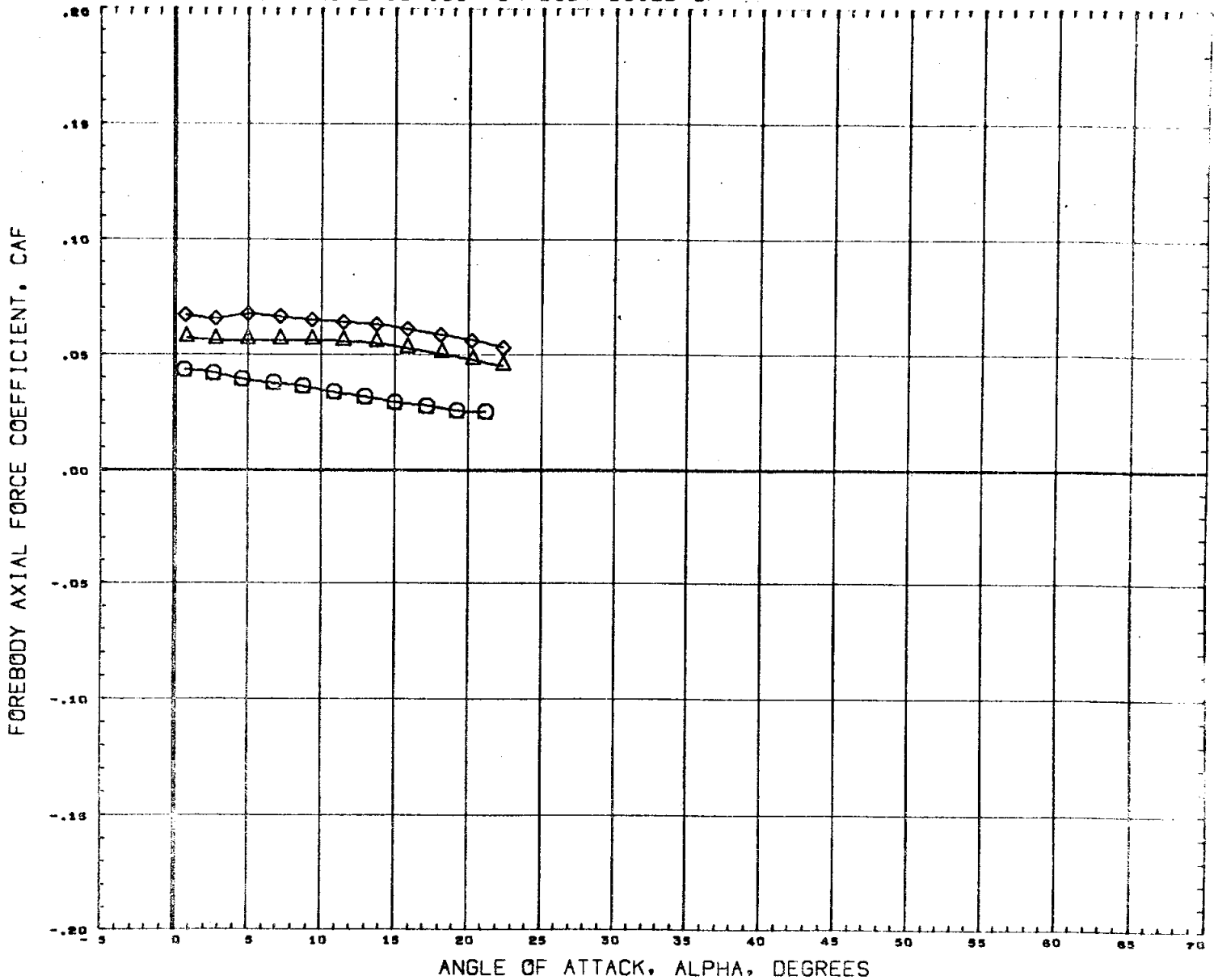
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA
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(C7620S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	0.000
(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 1.20

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LONGITUDINAL CHARACTERISTICS FOR BODY BUILD-UP



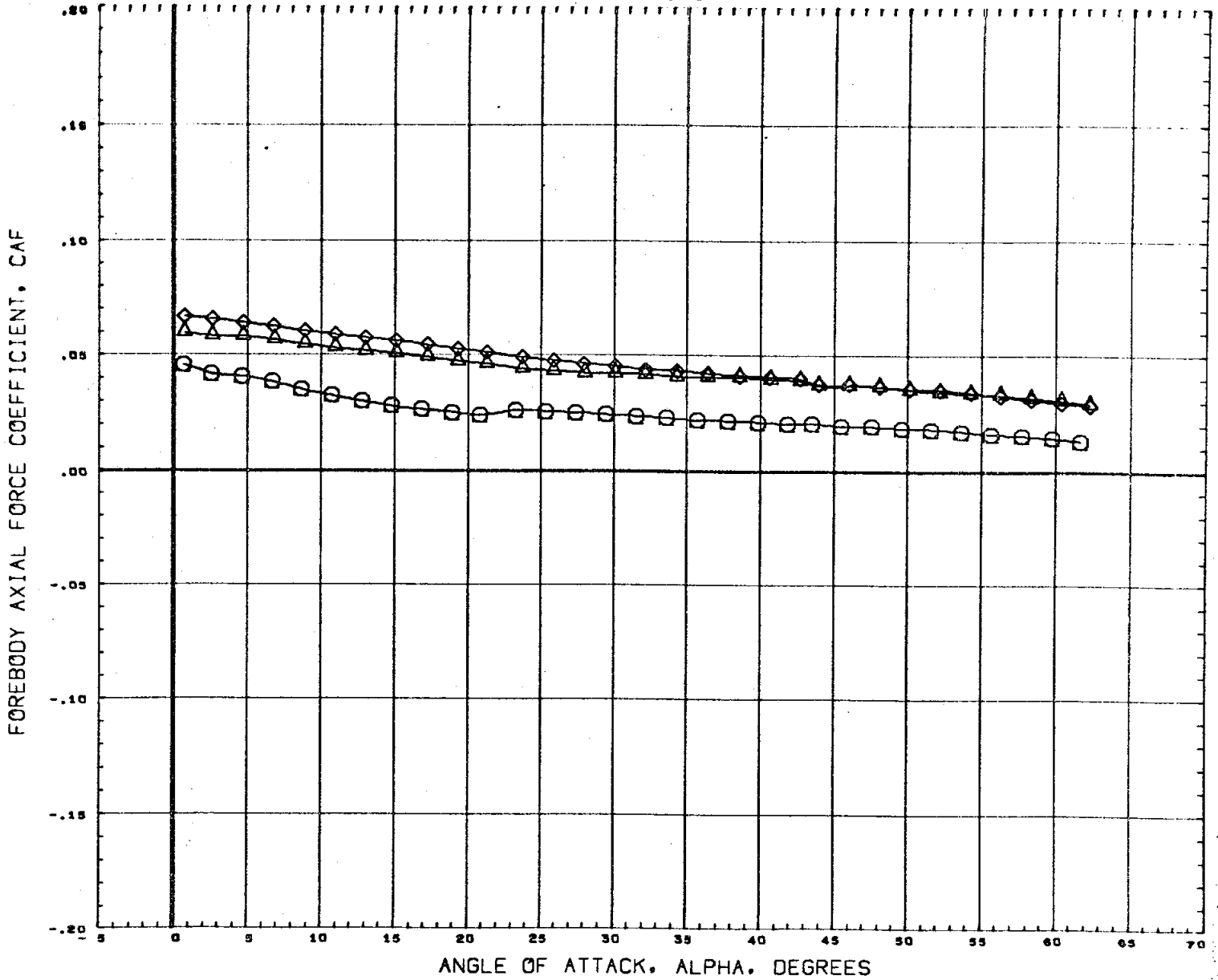
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA
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(C7620S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	0.000
(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000

REFERENCE INFORMATION		
SREF	7.4190	sq. in.
LREF	2.1020	in.
BREF	4.0300	in.
XMRP	3.4530	in.
YMRP	0.0000	in.
ZMRP	0.0000	in.
SCALE	0.0040	

MACH 1.96

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LONGITUDINAL CHARACTERISTICS FOR BODY BUILD-UP



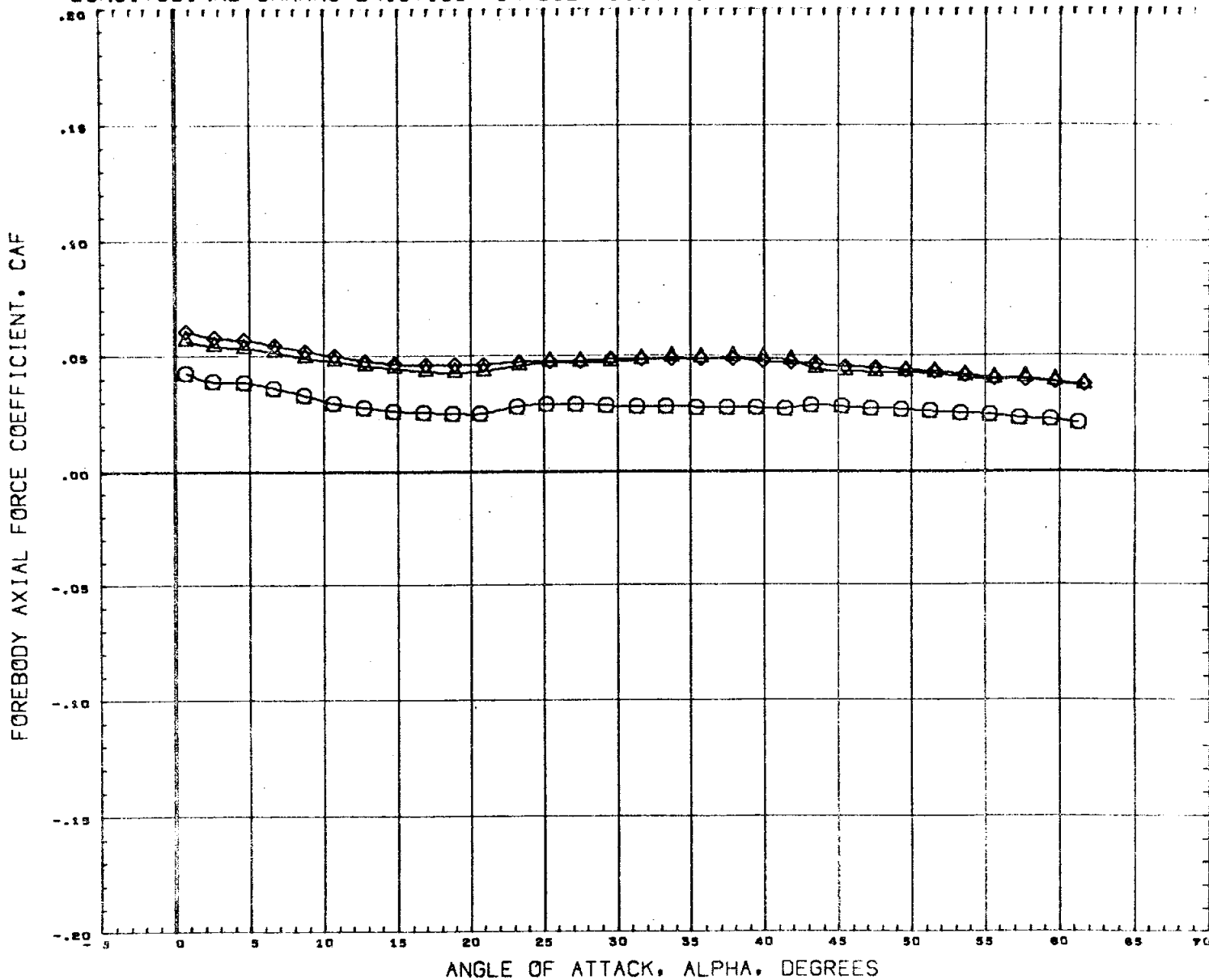
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA
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(C7620S)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	0.000
(C7630S)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 2.99

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LONGITUDINAL CHARACTERISTICS FOR BODY BUILD-UP



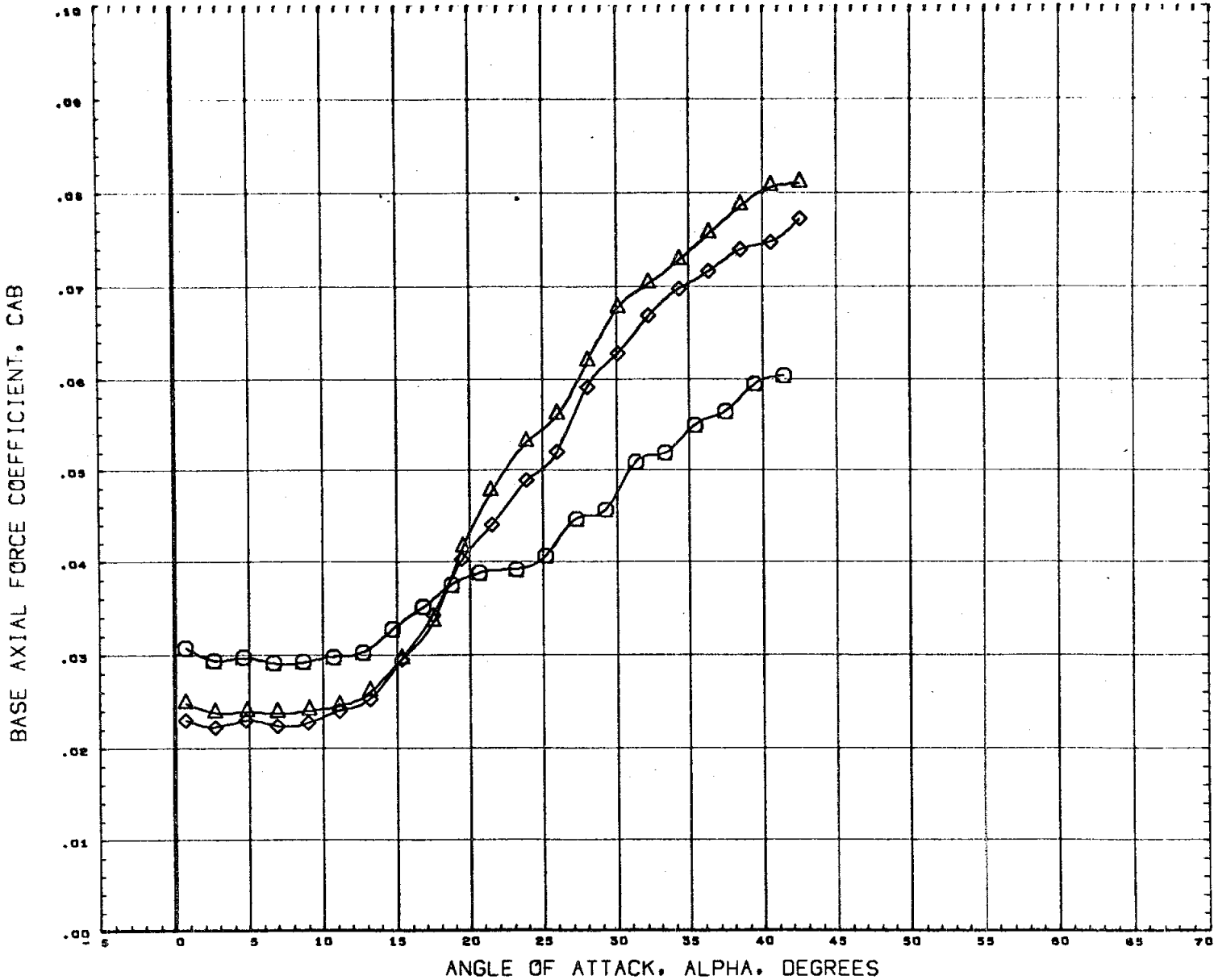
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA
(C7610S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1)	0.000
(C7620S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	0.000
(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000

REFERENCE INFORMATION		
SREF	7.4190	50. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRR	3.4530	IN.
YMRR	0.0000	IN.
ZMRR	0.0000	IN.
SCALE	0.0040	

MACH 4.96

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LONGITUDINAL CHARACTERISTICS FOR BODY BUILD-UP



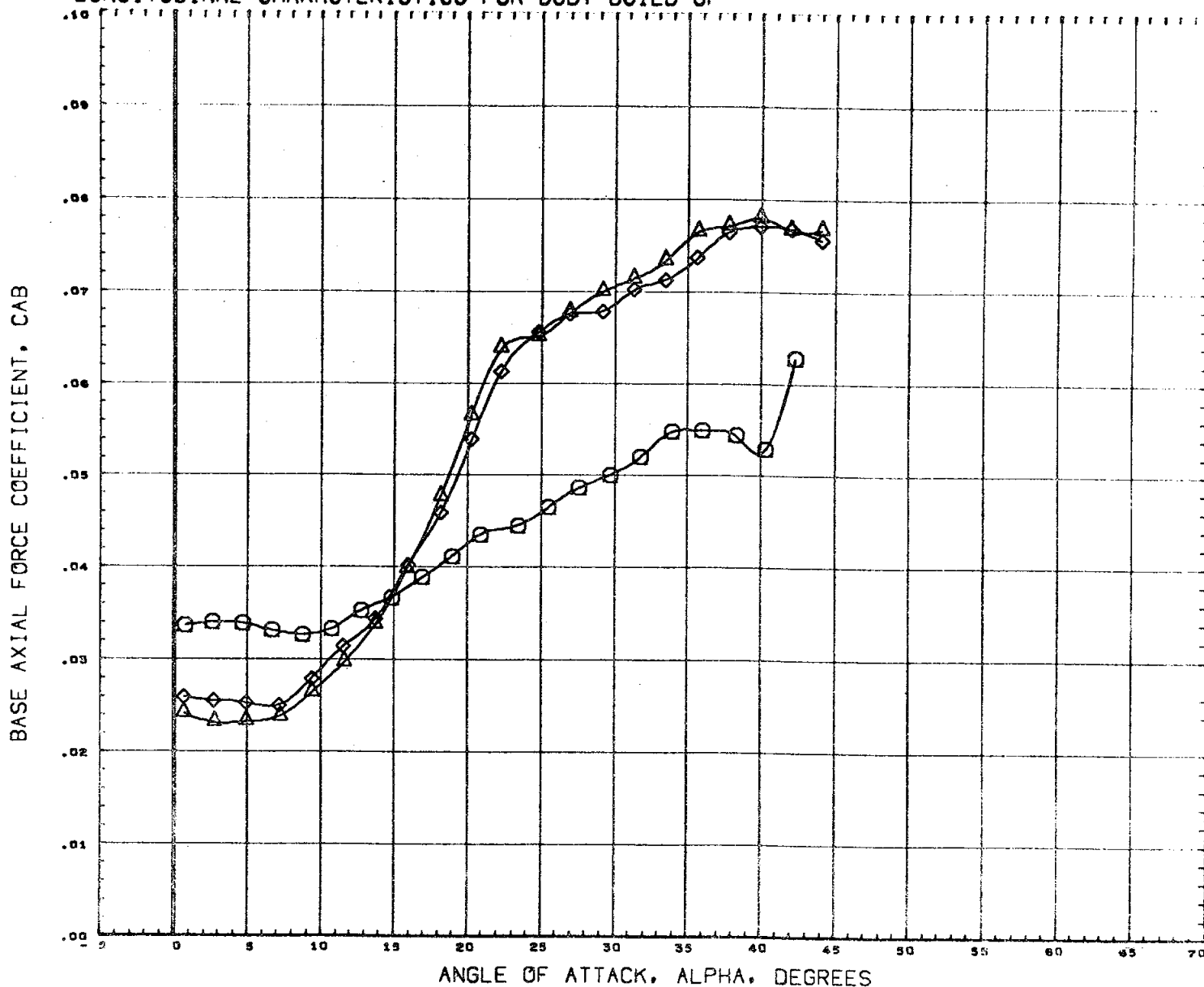
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA
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(C7620S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	0.000
(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000

REFERENCE INFORMATION		
SREF	7.4190	30. IN.
LREF	2.1020	IN.
GRF	4.0300	IN.
XMRP	3.4330	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH .60

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LONGITUDINAL CHARACTERISTICS FOR BODY BUILD-UP



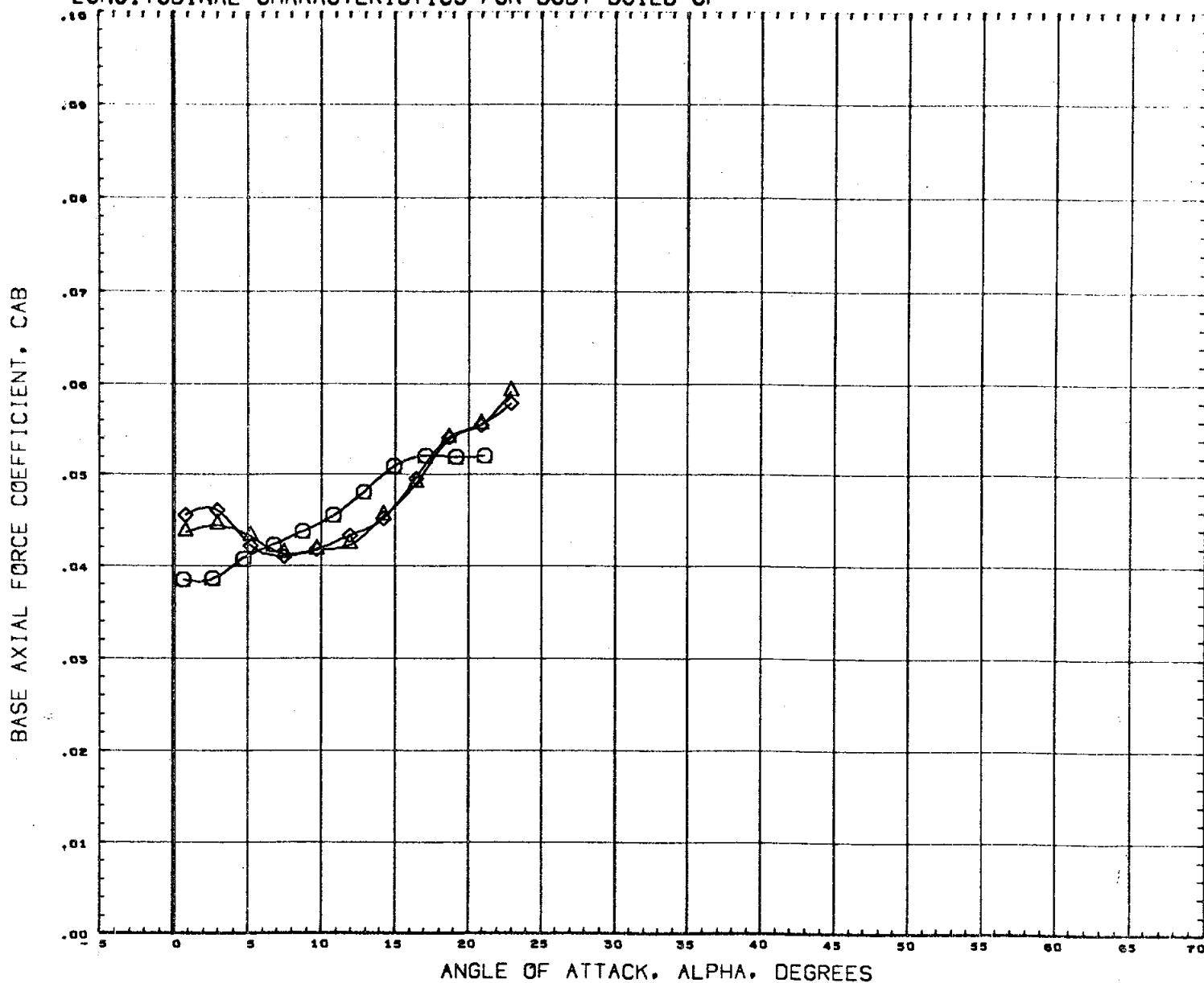
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA
(C76105)	M555(FA3) NAR ATP ORB (B1C1D1F1M1)	0.000
(C76205)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	0.000
(C76305)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH .91

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LONGITUDINAL CHARACTERISTICS FOR BODY BUILD-UP



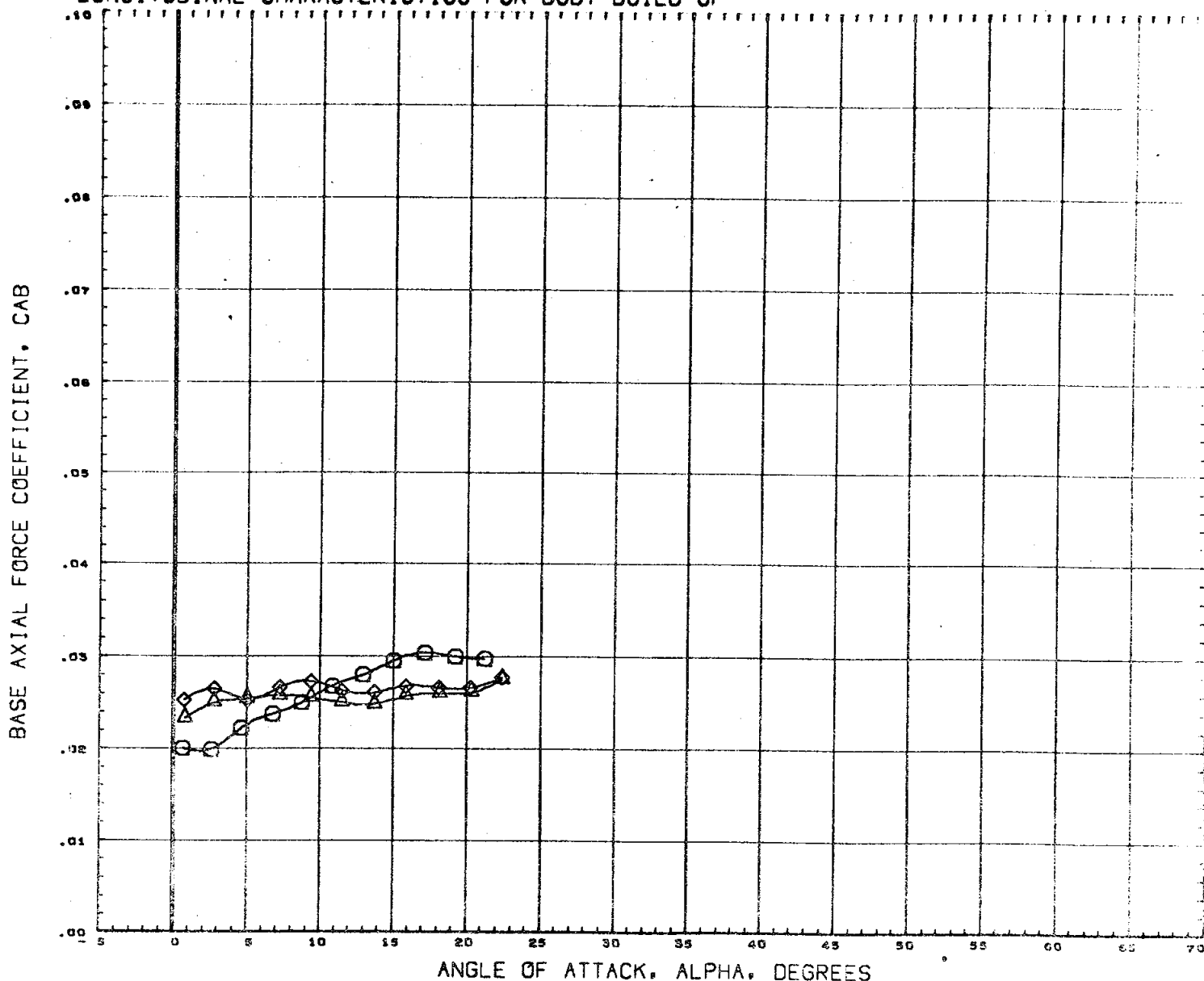
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA
(C76105)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1)	0.000
(C76205)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	0.000
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 1.20

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LONGITUDINAL CHARACTERISTICS FOR BODY BUILD-UP



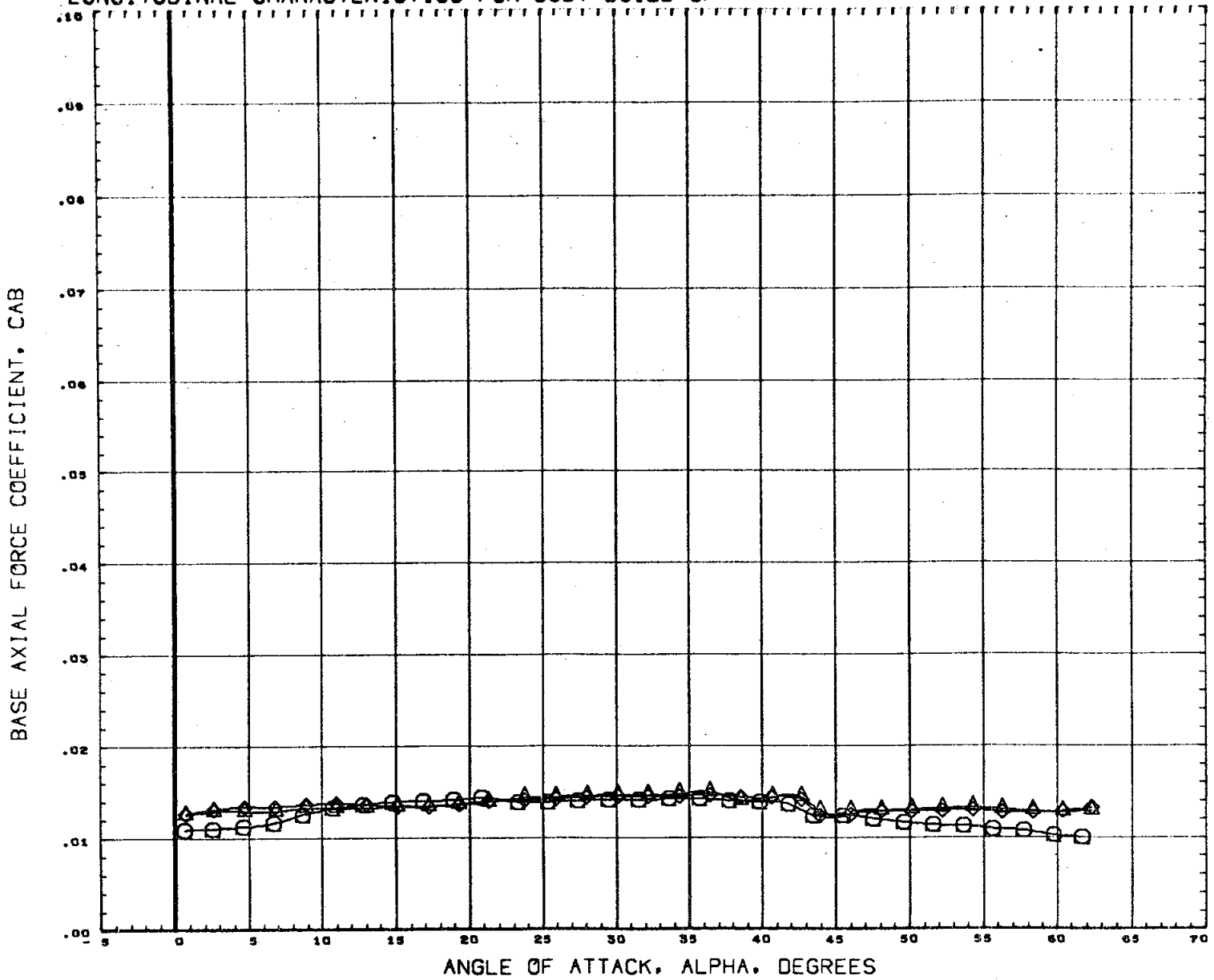
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA
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(C7620S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	0.000
(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1026	IN.
BREF	4.0300	IN.
XMRF	3.4530	IN.
YMRF	0.0000	IN.
ZMRF	0.0000	IN.
SCALE	0.0040	

MACH 1.96

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LONGITUDINAL CHARACTERISTICS FOR BODY BUILD-UP



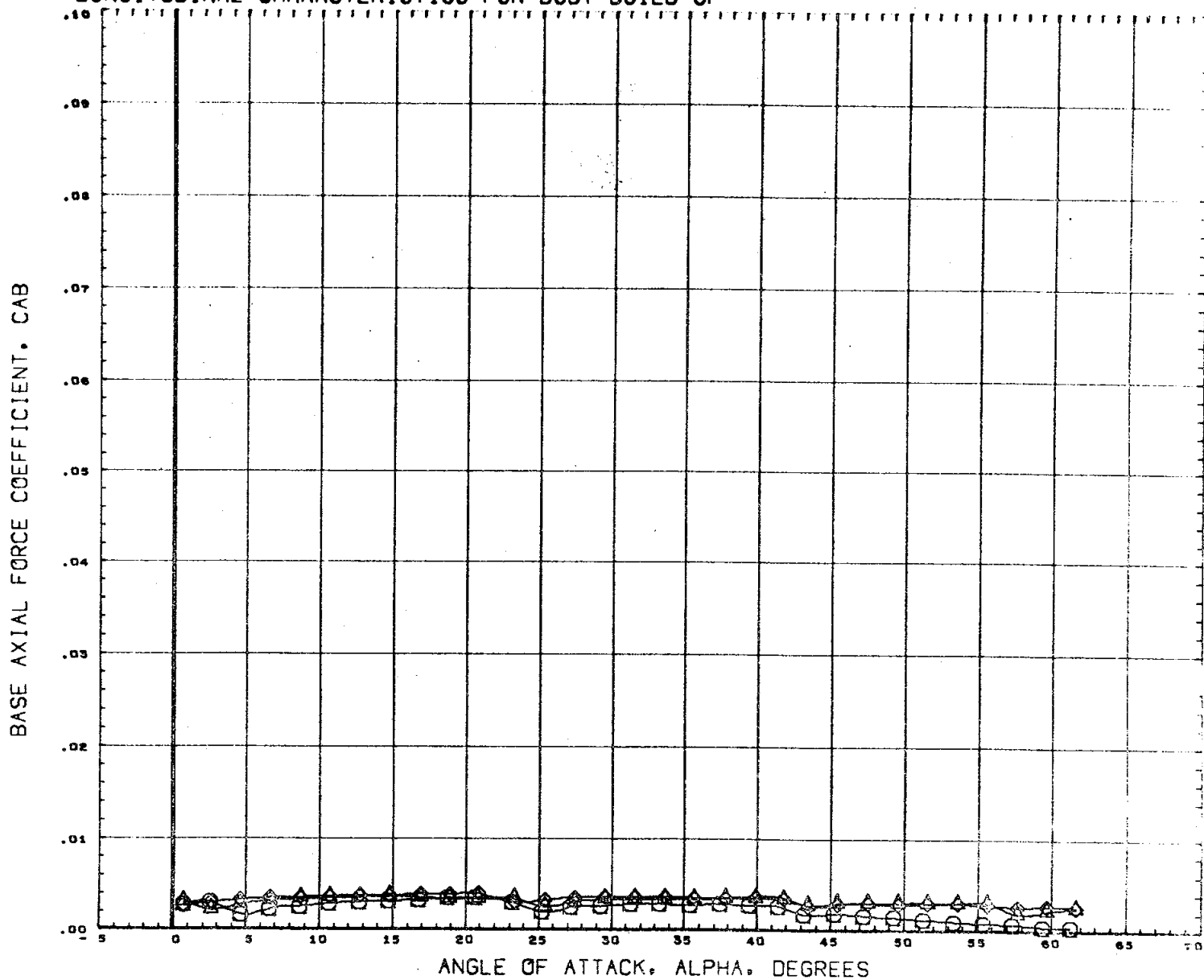
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA
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(C7620S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	0.000
(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 2.99

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LONGITUDINAL CHARACTERISTICS FOR BODY BUILD-UP



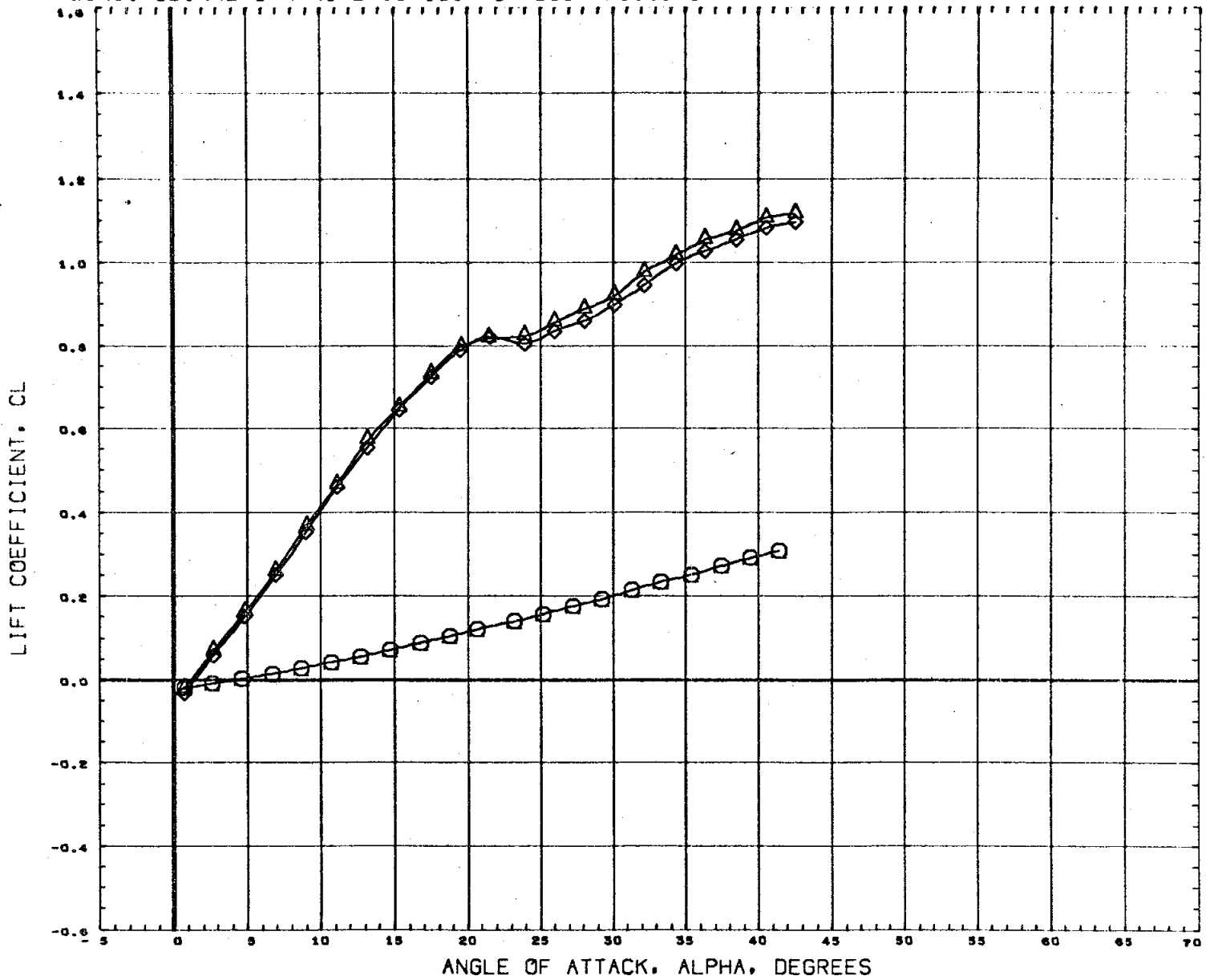
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA
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(C7620S)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	0.000
(C7630S)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000

REFERENCE INFORMATION		
SREF	7.4190	58. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 4.96

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LONGITUDINAL CHARACTERISTICS FOR BODY BUILD-UP



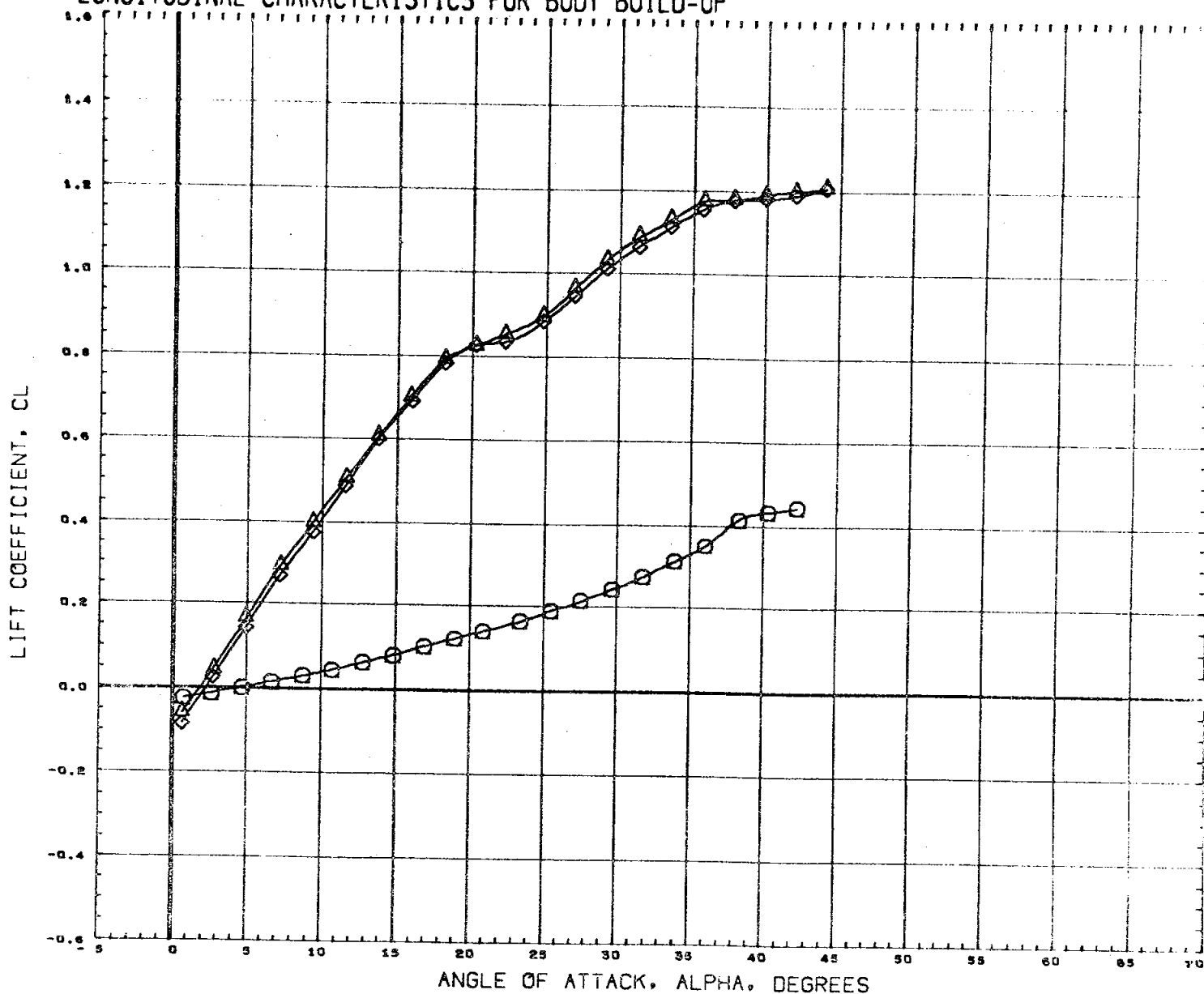
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA
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(C7620S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	0.000
(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000

REFERENCE INFORMATION		
SREF	7.4190	sq. in.
LREF	2.1020	in.
BREF	4.0300	in.
XMRP	3.4530	in.
YMRP	0.0000	in.
ZMRP	0.0000	in.
SCALE	0.0040	

MACH .60

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LONGITUDINAL CHARACTERISTICS FOR BODY BUILD-UP



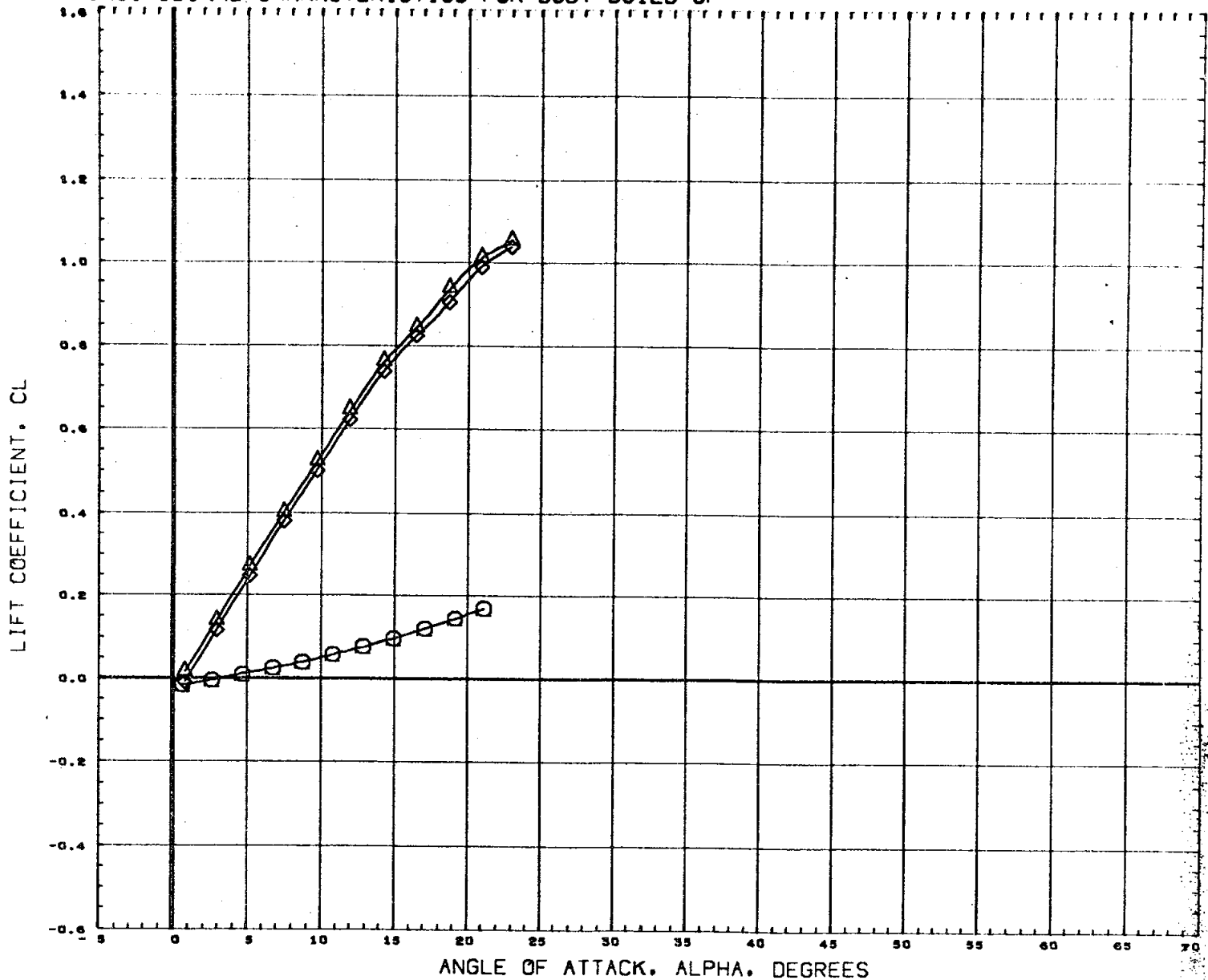
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
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(C7620S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)
(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

BETA
0.000
0.000
0.000

REFERENCE INFORMATION		
SREF	7.4190	sq. in.
LREF	2.1020	in.
BREF	4.0300	in.
XMRP	3.4530	in.
YMRP	0.0000	in.
ZMRP	0.0000	in.
SCALE	0.0040	

MACH .91

LONGITUDINAL CHARACTERISTICS FOR BODY BUILD-UP



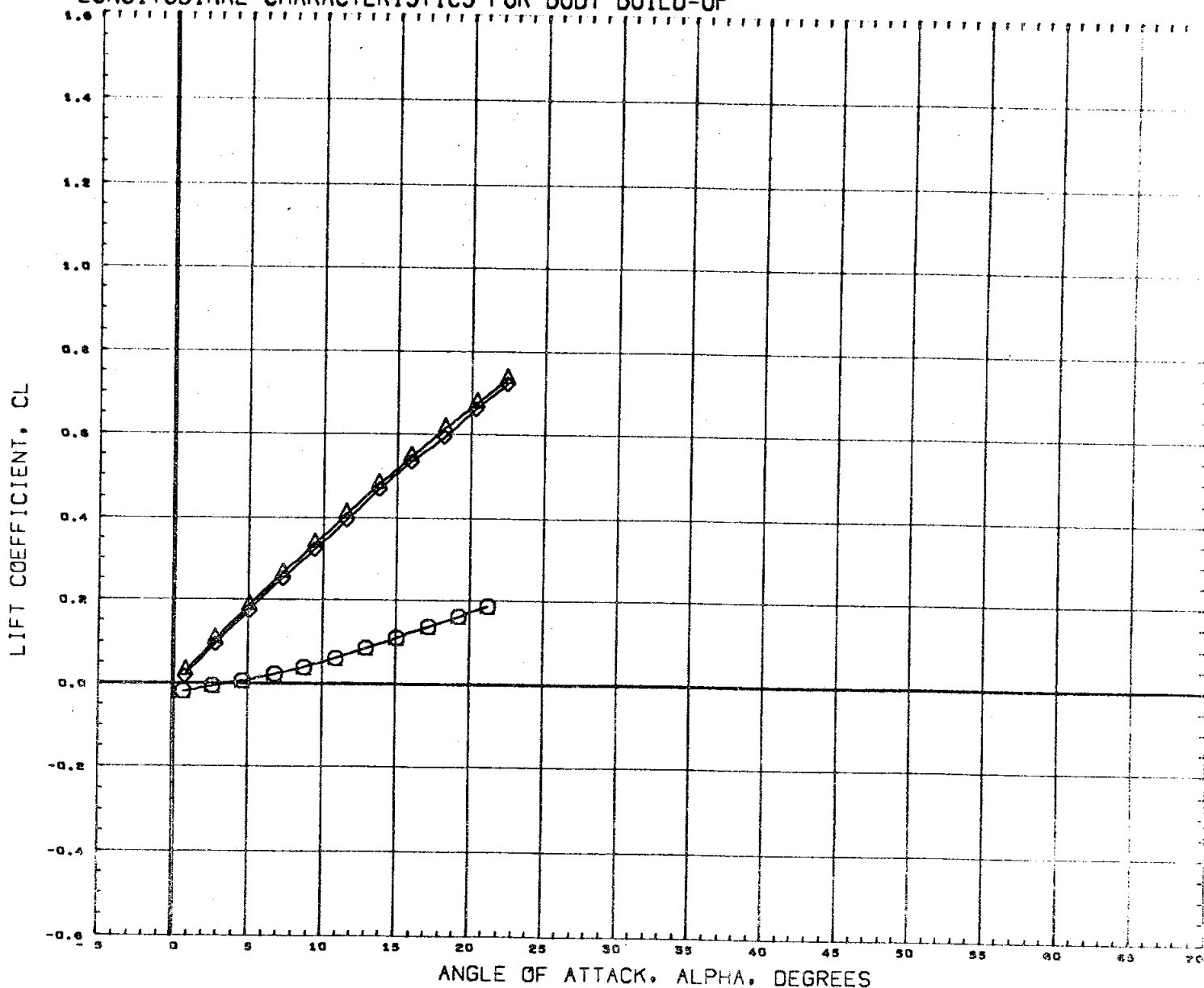
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA
(C7610S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1)	0.000
(C7620S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	0.000
(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4330	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 1.20

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LONGITUDINAL CHARACTERISTICS FOR BODY BUILD-UP

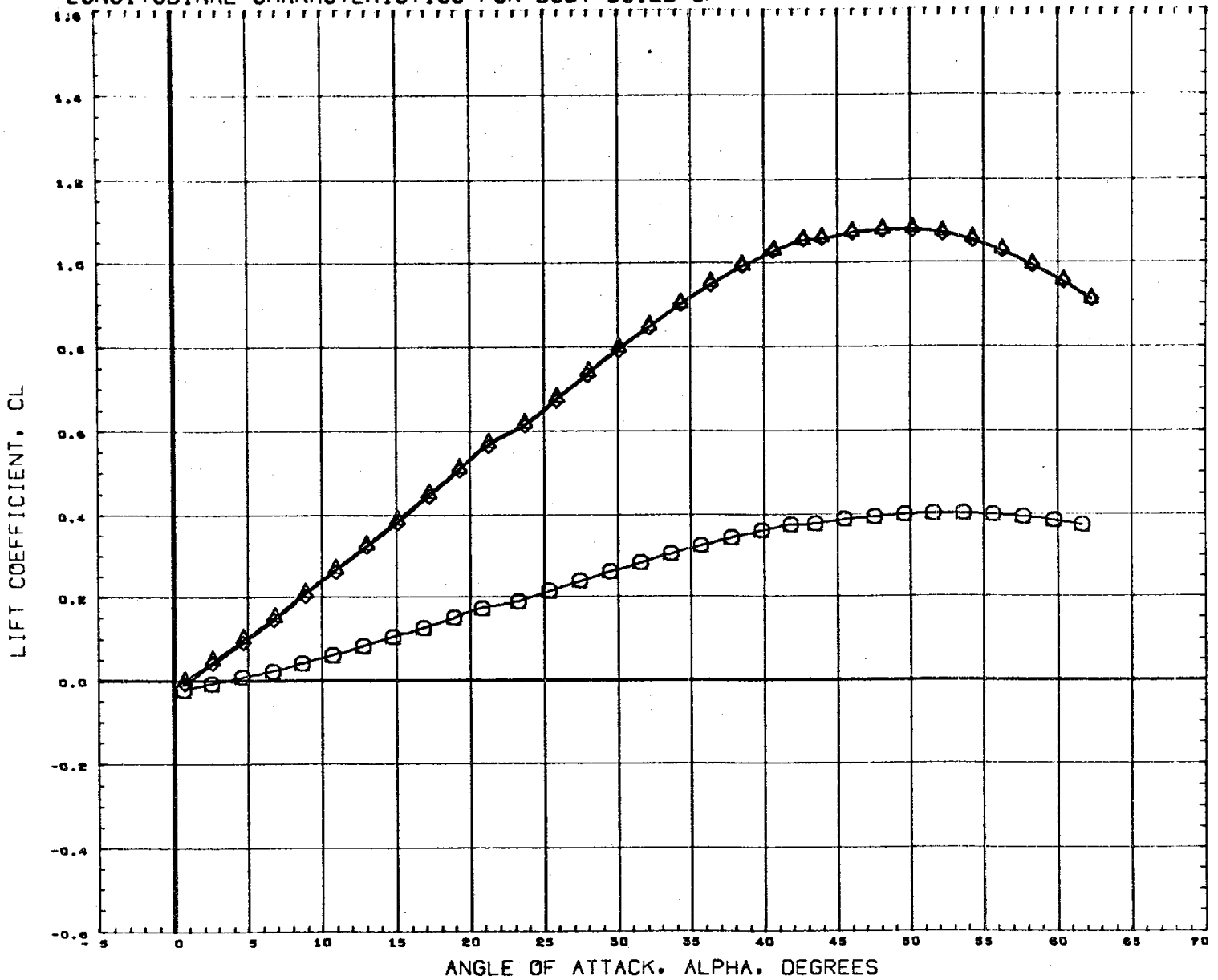


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA
(C7610S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1)	0.000
(C7620S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	0.000
(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000

REFERENCE INFORMATION		
SREF	7.4190	CG, IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 1.96

LONGITUDINAL CHARACTERISTICS FOR BODY BUILD-UP



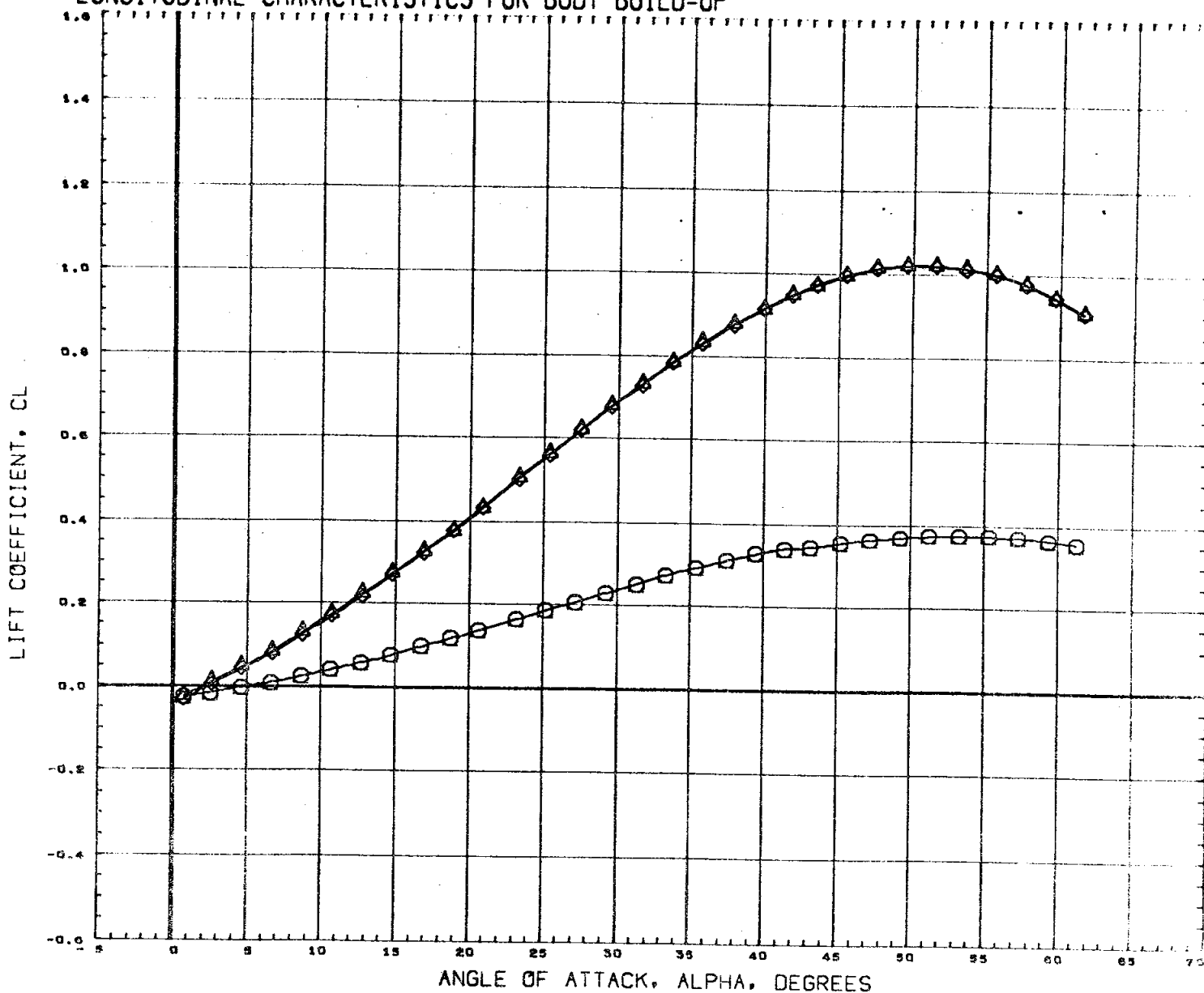
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(C7620S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	0.000
(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRF	3.4530	IN.
YMRF	0.0000	IN.
ZMRF	0.0000	IN.
SCALE	0.0040	

MACH 2.99

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LONGITUDINAL CHARACTERISTICS FOR BODY BUILD-UP

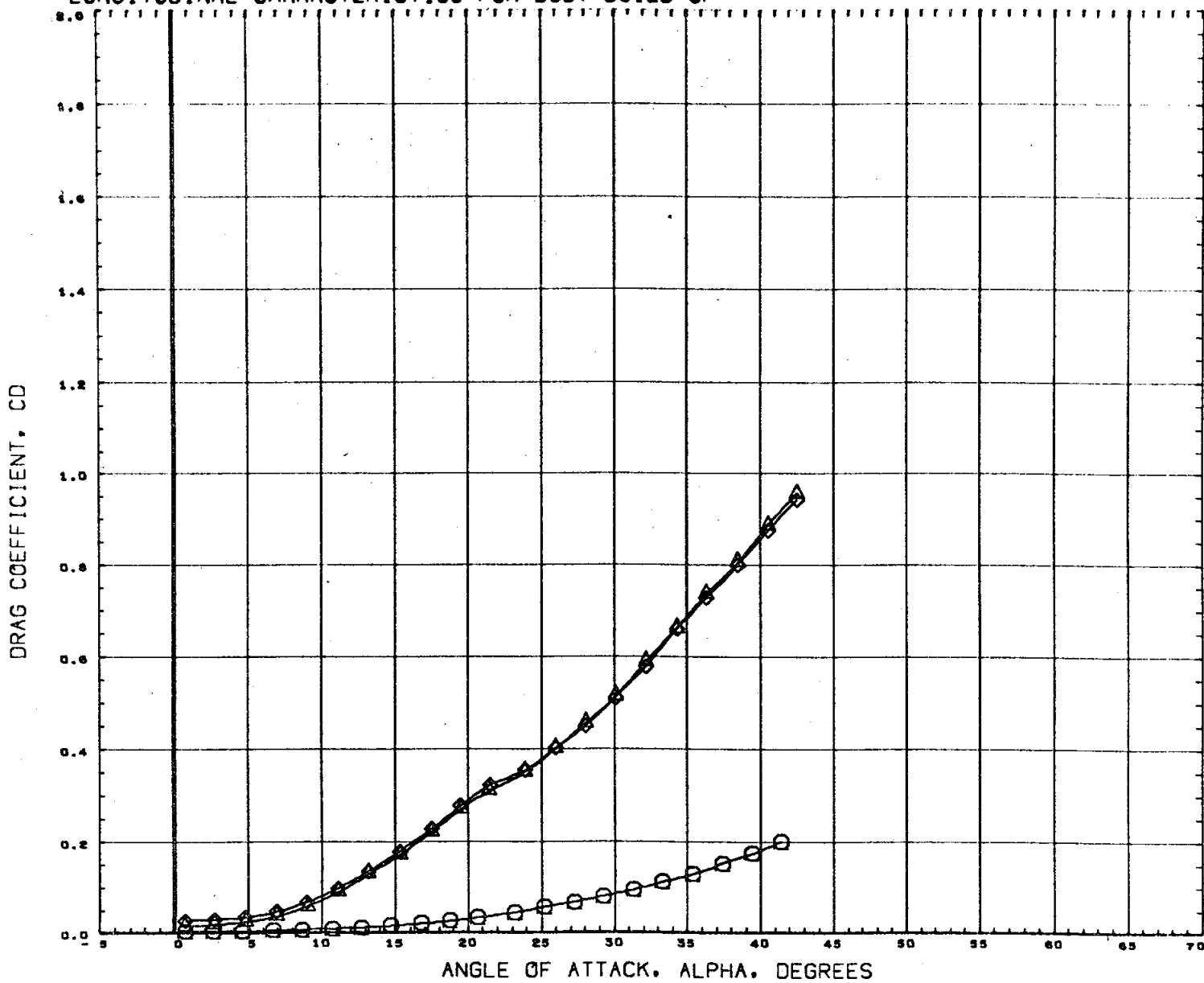


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA
(C7610S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1)	0.000
(C7620S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	0.000
(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1026	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
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SCALE	0.0040	

MACH 4.96

LONGITUDINAL CHARACTERISTICS FOR BODY BUILD-UP



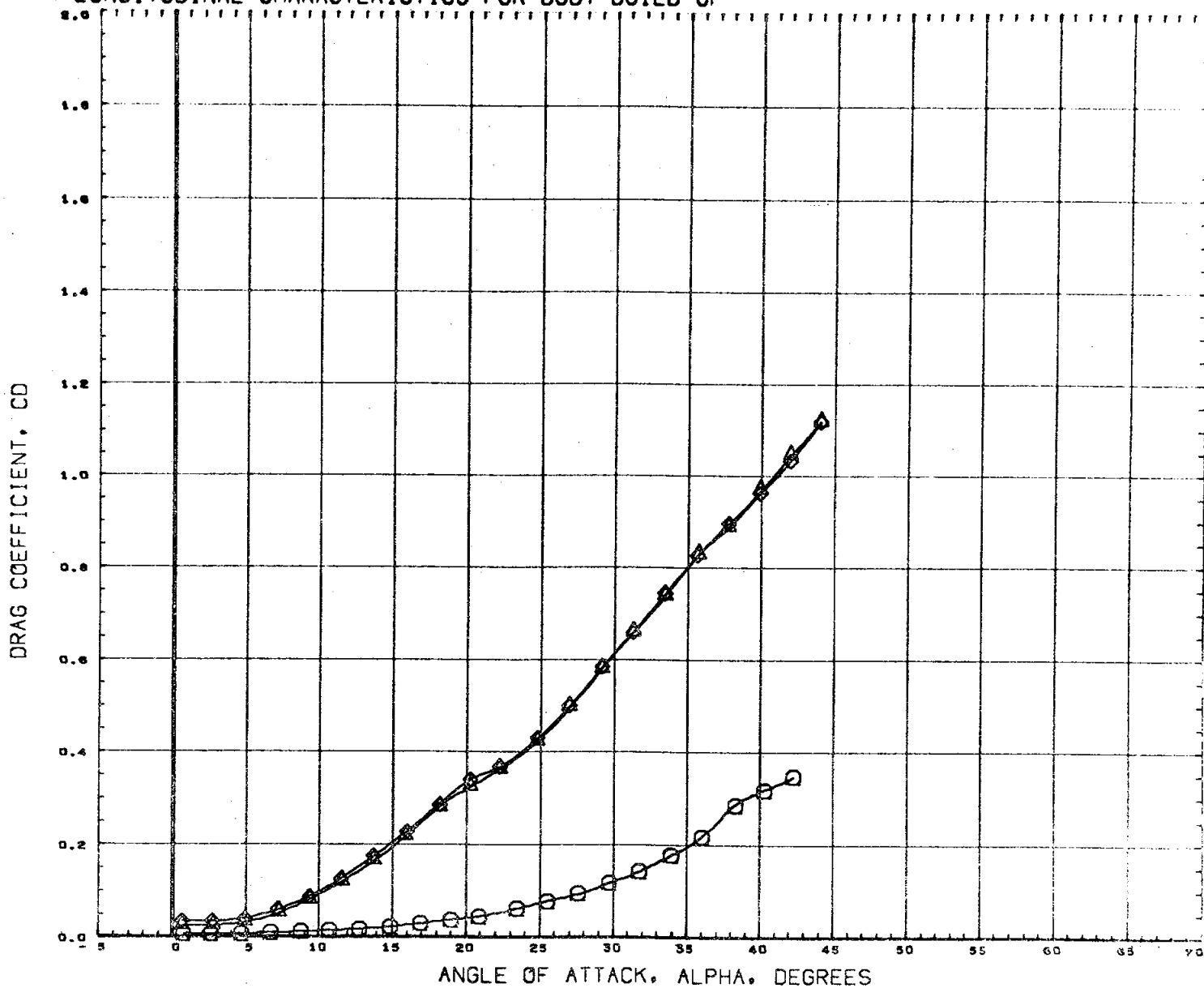
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA
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(C7620S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	0.000
(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

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LONGITUDINAL CHARACTERISTICS FOR BODY BUILD-UP



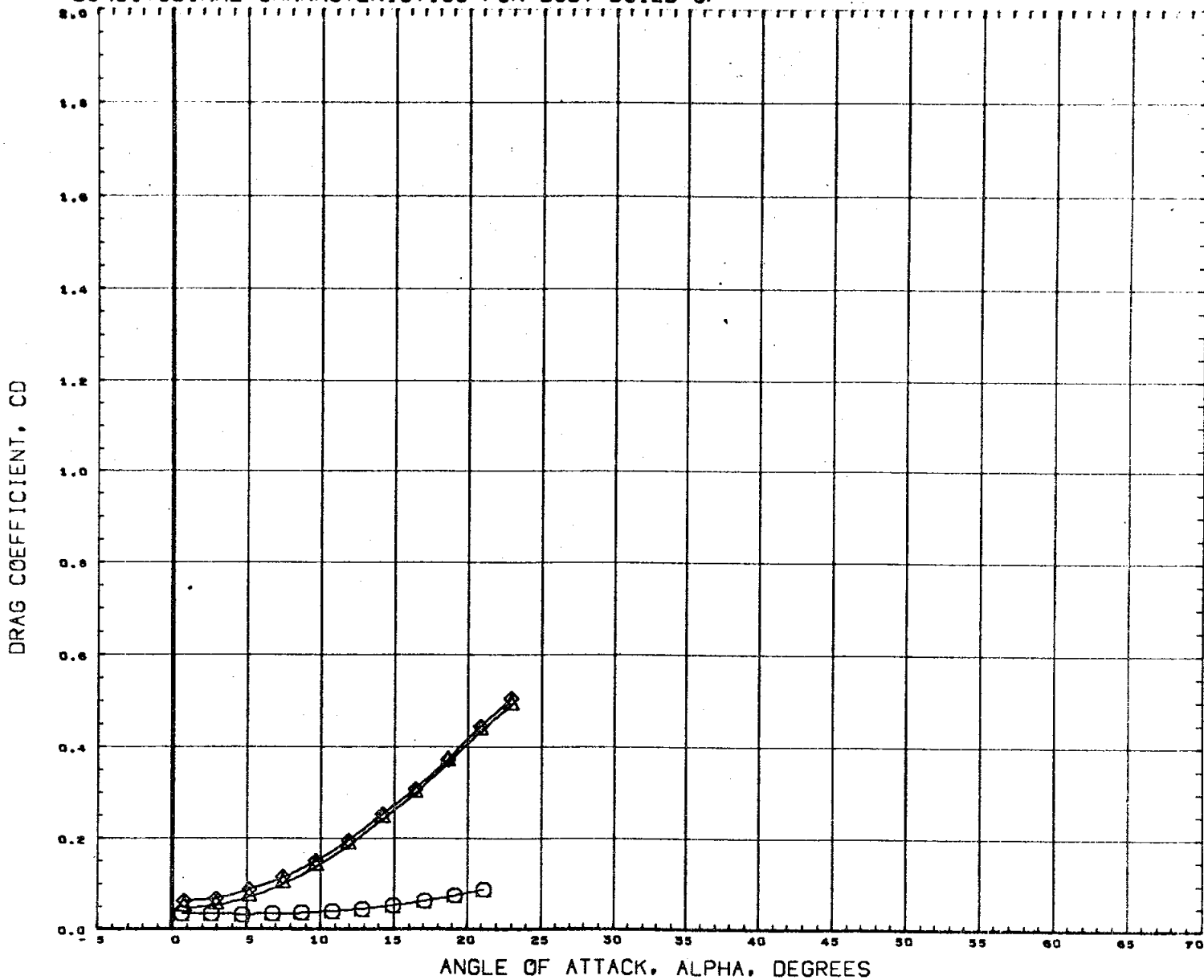
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(C762DS)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	0.000
(C763DS)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000

REFERENCE INFORMATION		
SREF	7.4190	50. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH .91

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LONGITUDINAL CHARACTERISTICS FOR BODY BUILD-UP



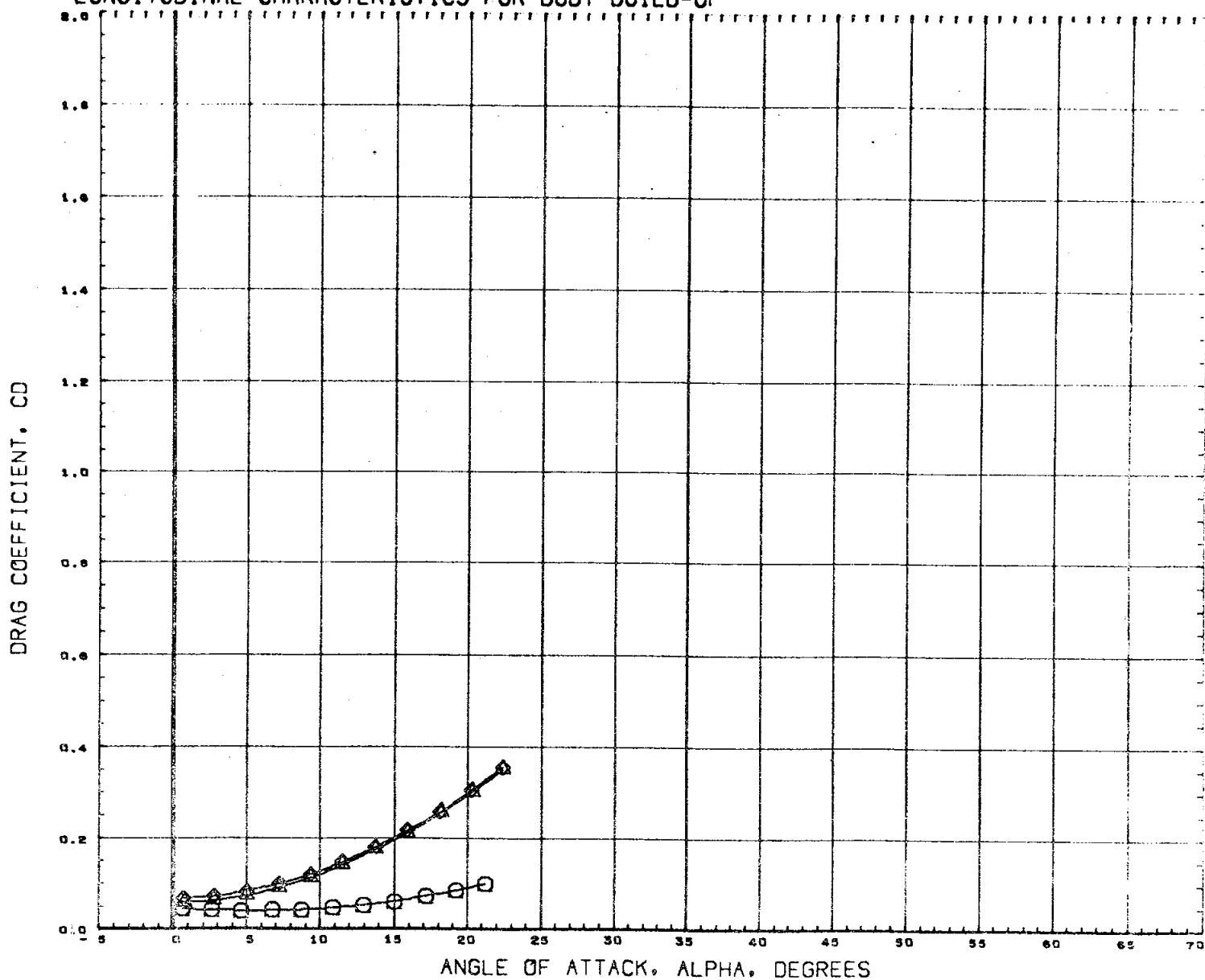
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA
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(C7620S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	0.000
(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRF	3.4530	IN.
YMRF	0.0000	IN.
ZMRF	0.0000	IN.
SCALE	0.0040	

MACH 1.20

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LONGITUDINAL CHARACTERISTICS FOR BODY BUILD-UP

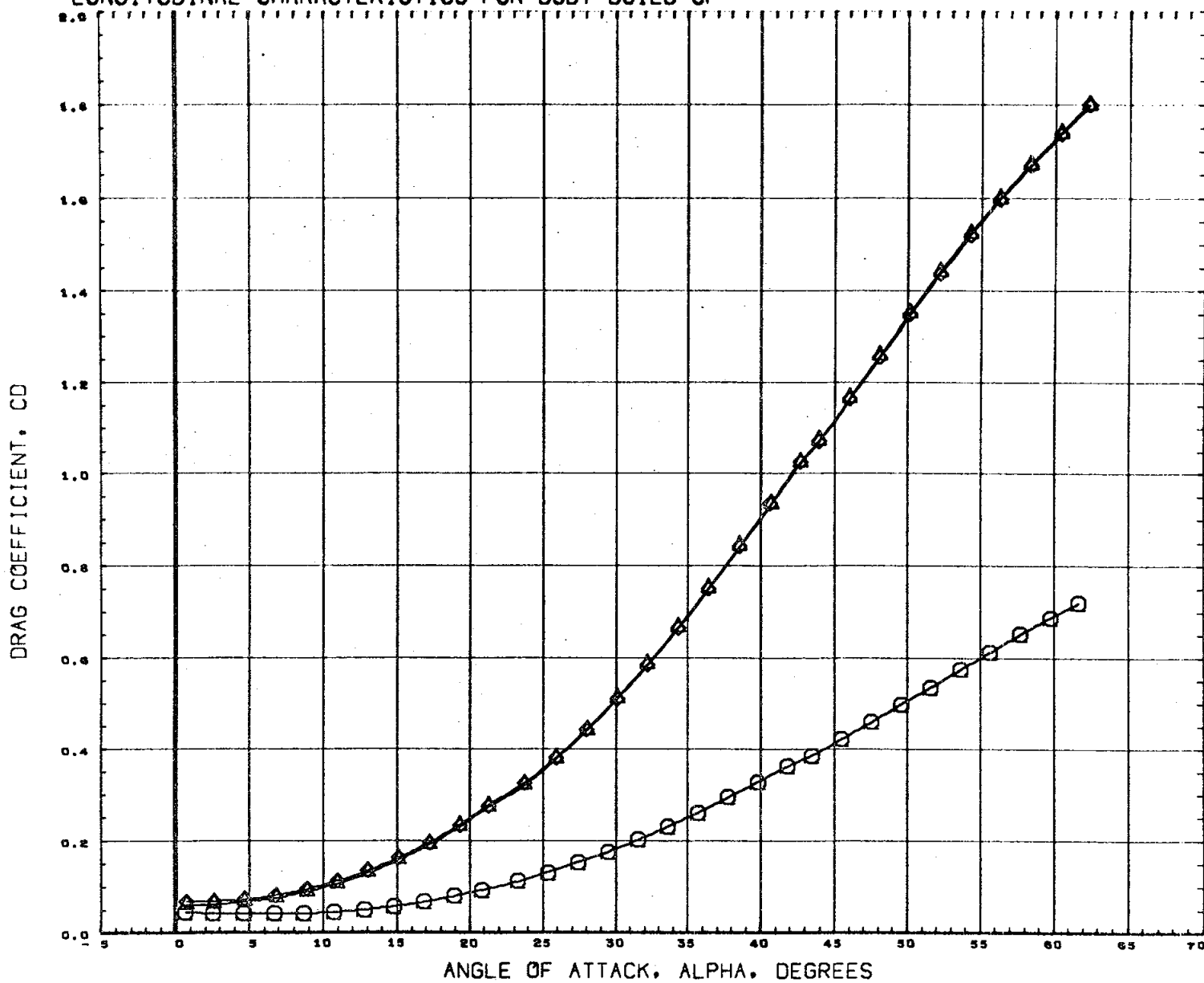


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA
(C7610S)	M555 (FAS) NAR ATP ORB (B1C1D1F1M1)	0.000
(C7620S)	M555 (FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1)	0.000
(C7630S)	M555 (FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 1.96

LONGITUDINAL CHARACTERISTICS FOR BODY BUILD-UP



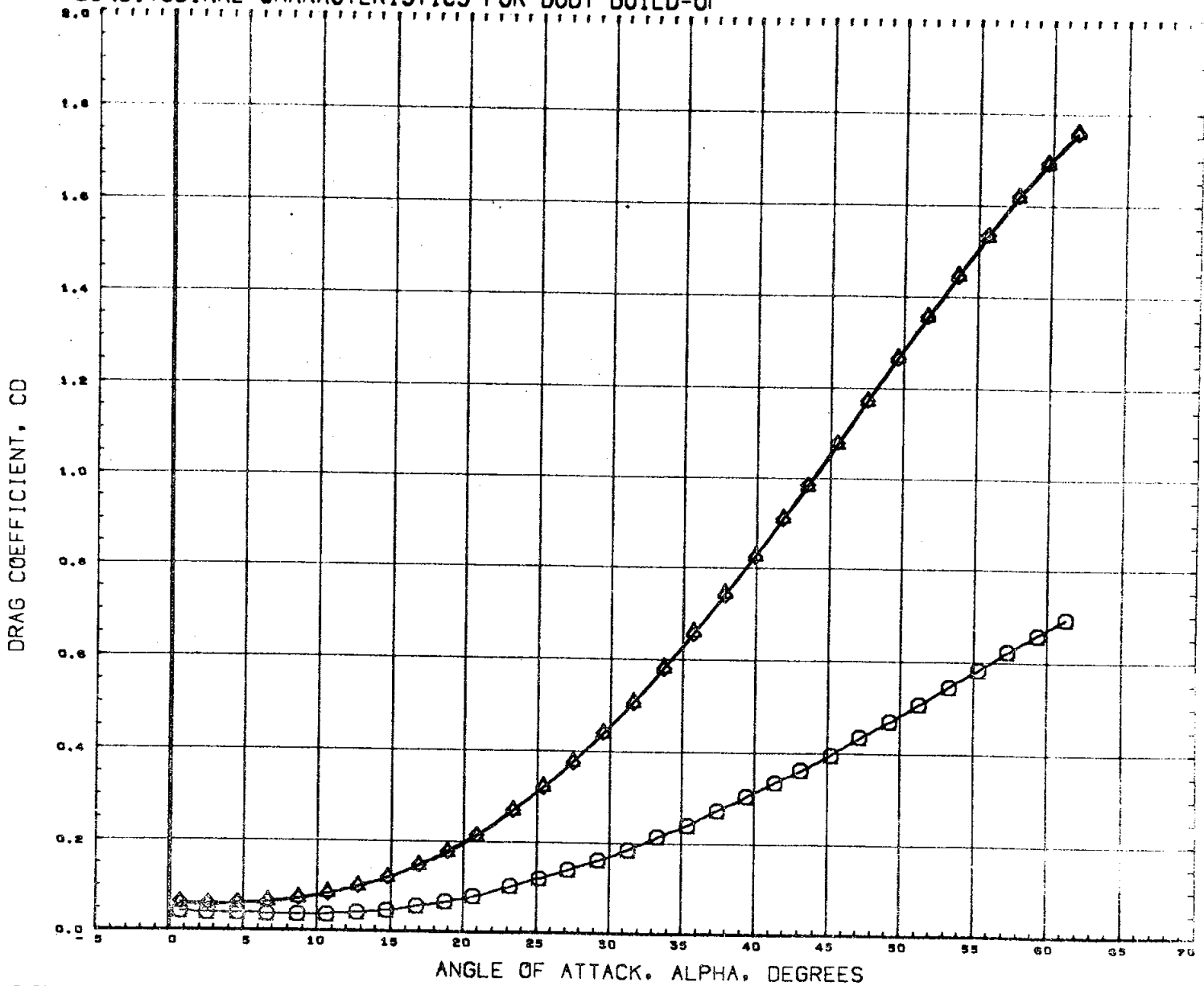
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA
(C7610S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1)	0.000
(C7620S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	0.000
(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRRP	3.4930	IN.
YMRRP	0.0000	IN.
ZMRRP	0.0000	IN.
SCALE	0.0040	

MACH 2.99

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LONGITUDINAL CHARACTERISTICS FOR BODY BUILD-UP

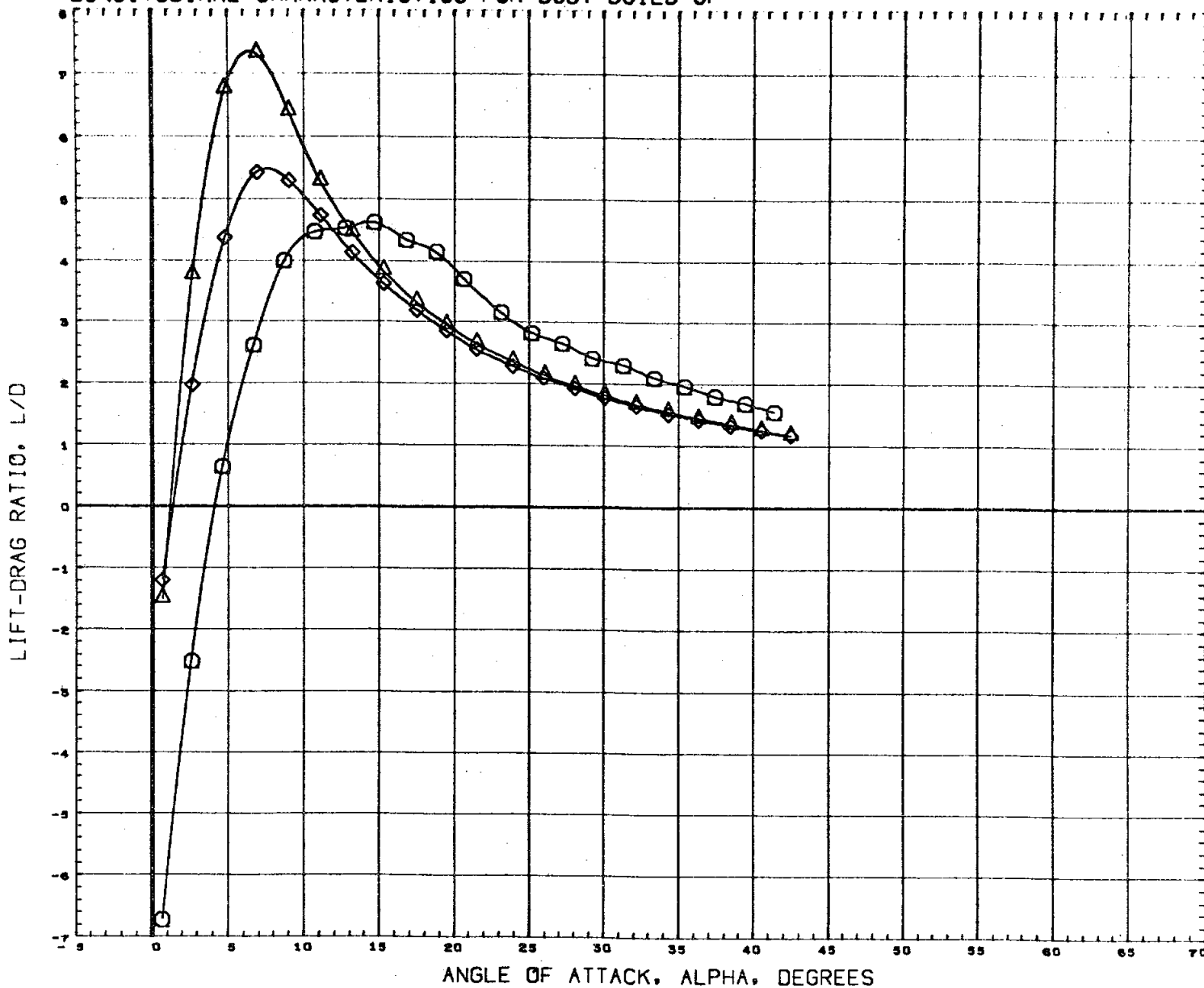


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA
(C7610S)	M555(FAS) NAR ATP ORB (B1C1D1F1M1)	0.000
(C7620S)	M555(FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1)	0.000
(C7630S)	M555(FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRF	3.4530	IN.
YMRF	0.0000	IN.
ZMRF	0.0000	IN.
SCALE	0.0040	

MACH 4.96

LONGITUDINAL CHARACTERISTICS FOR BODY BUILD-UP



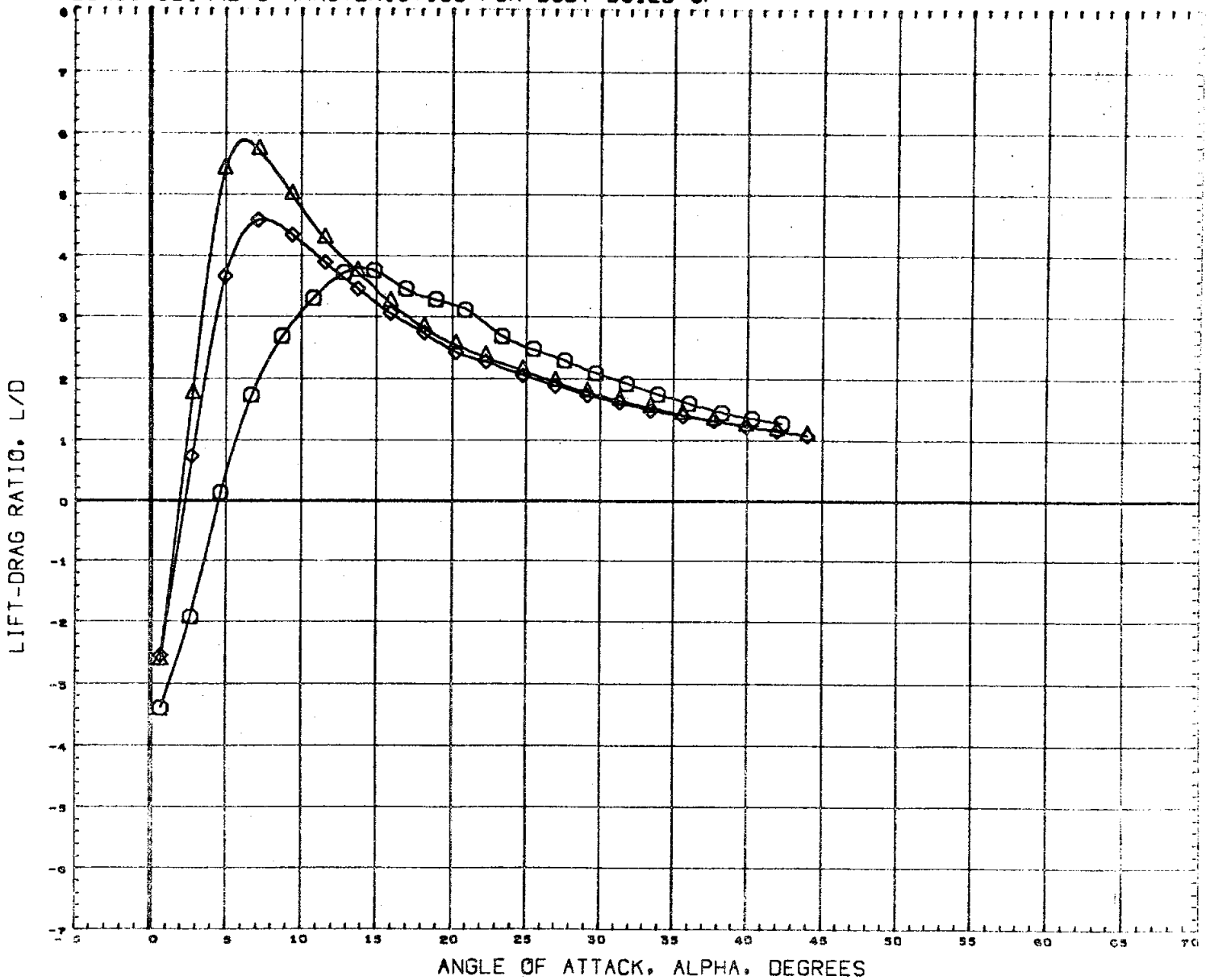
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA
(C7610S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1)	0.000
(C7620S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	0.000
(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000

REFERENCE INFORMATION		
SREF	7.4190	30. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH .60

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LONGITUDINAL CHARACTERISTICS FOR BODY BUILD-UP



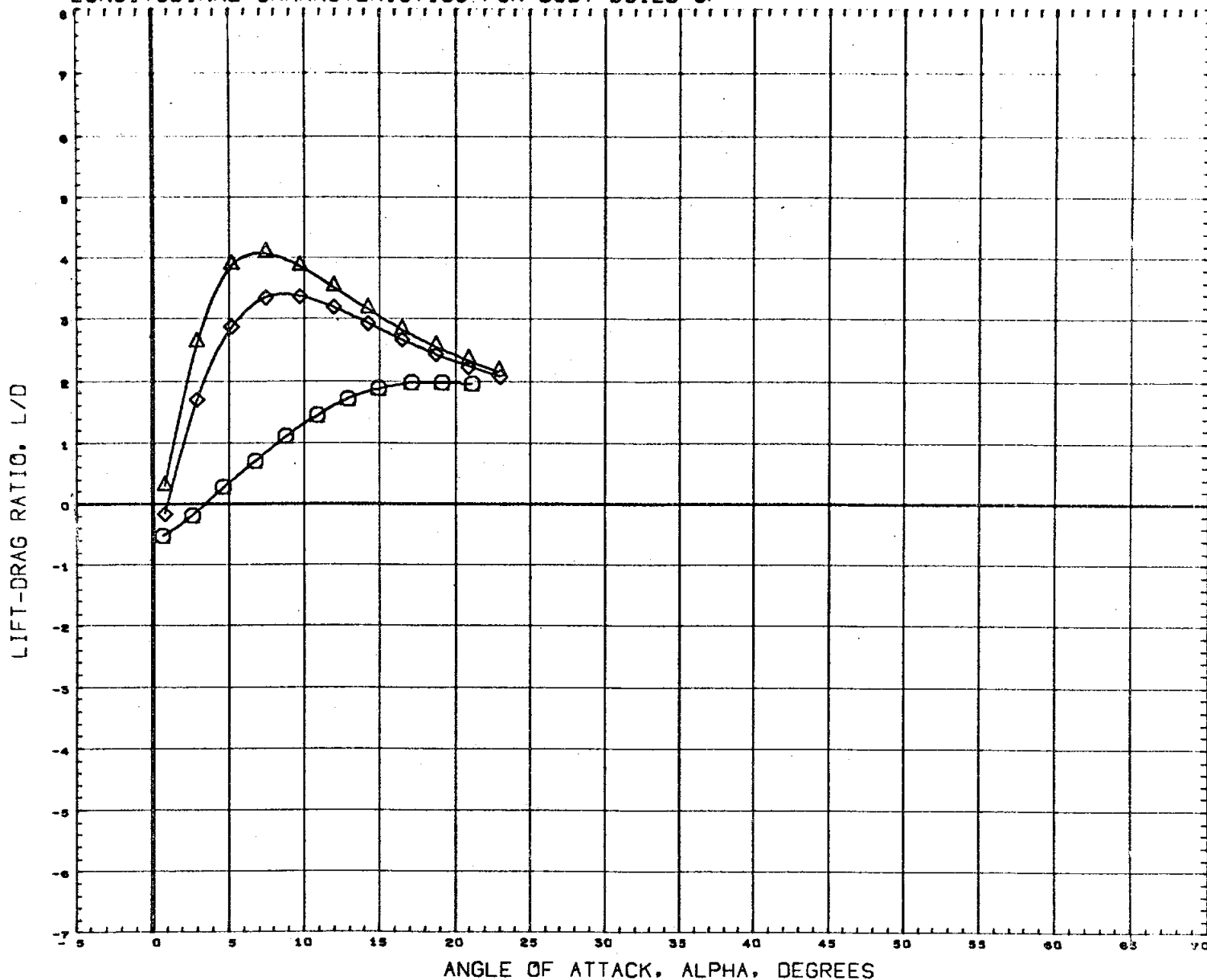
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA
(C7610S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1)	0.000
(C7620S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	0.000
(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000

REFERENCE INFORMATION		
SREF	7.4190	50. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4330	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH .91

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LONGITUDINAL CHARACTERISTICS FOR BODY BUILD-UP



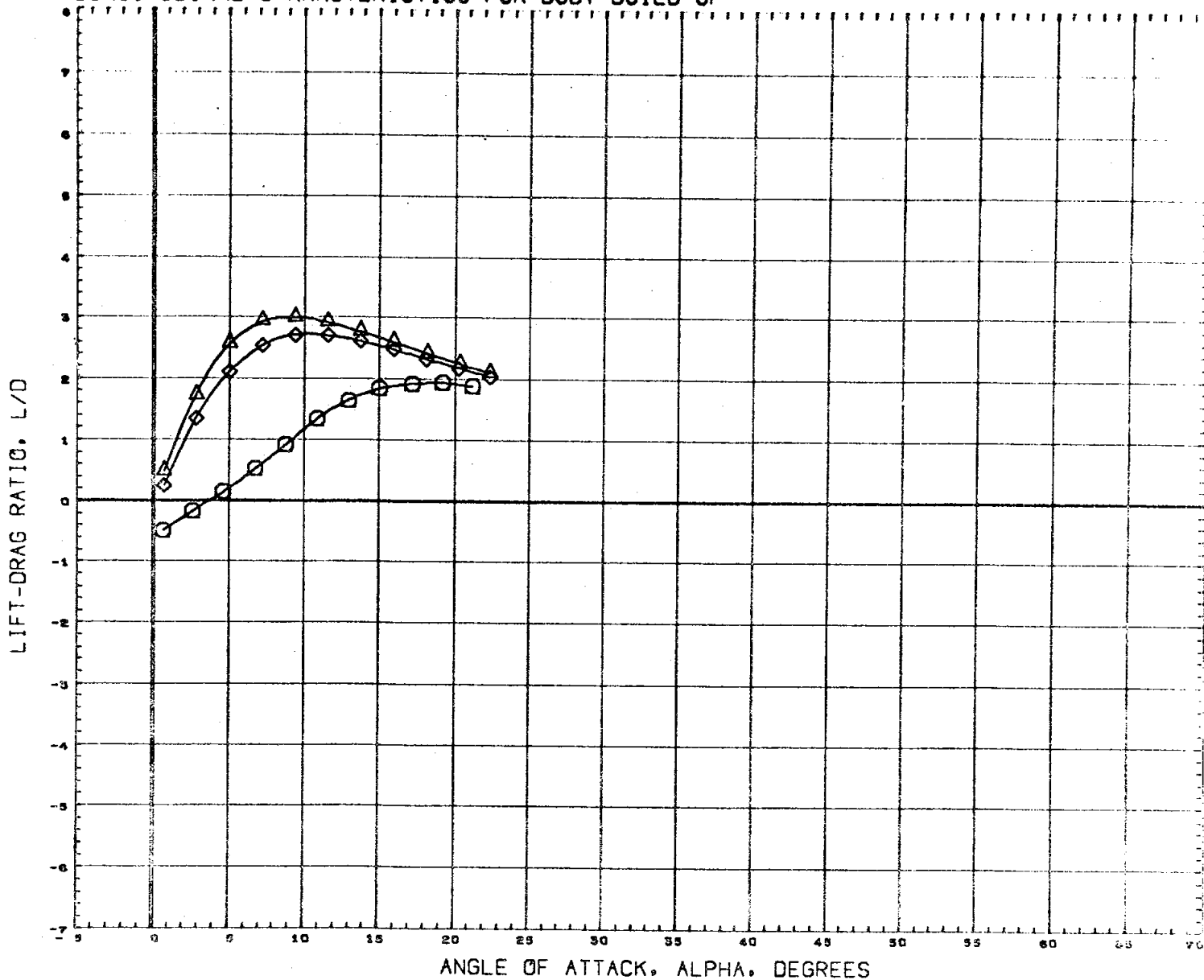
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA
(C7610S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1)	0.000
(C7620S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	0.000
(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 1.20

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LONGITUDINAL CHARACTERISTICS FOR BODY BUILD-UP



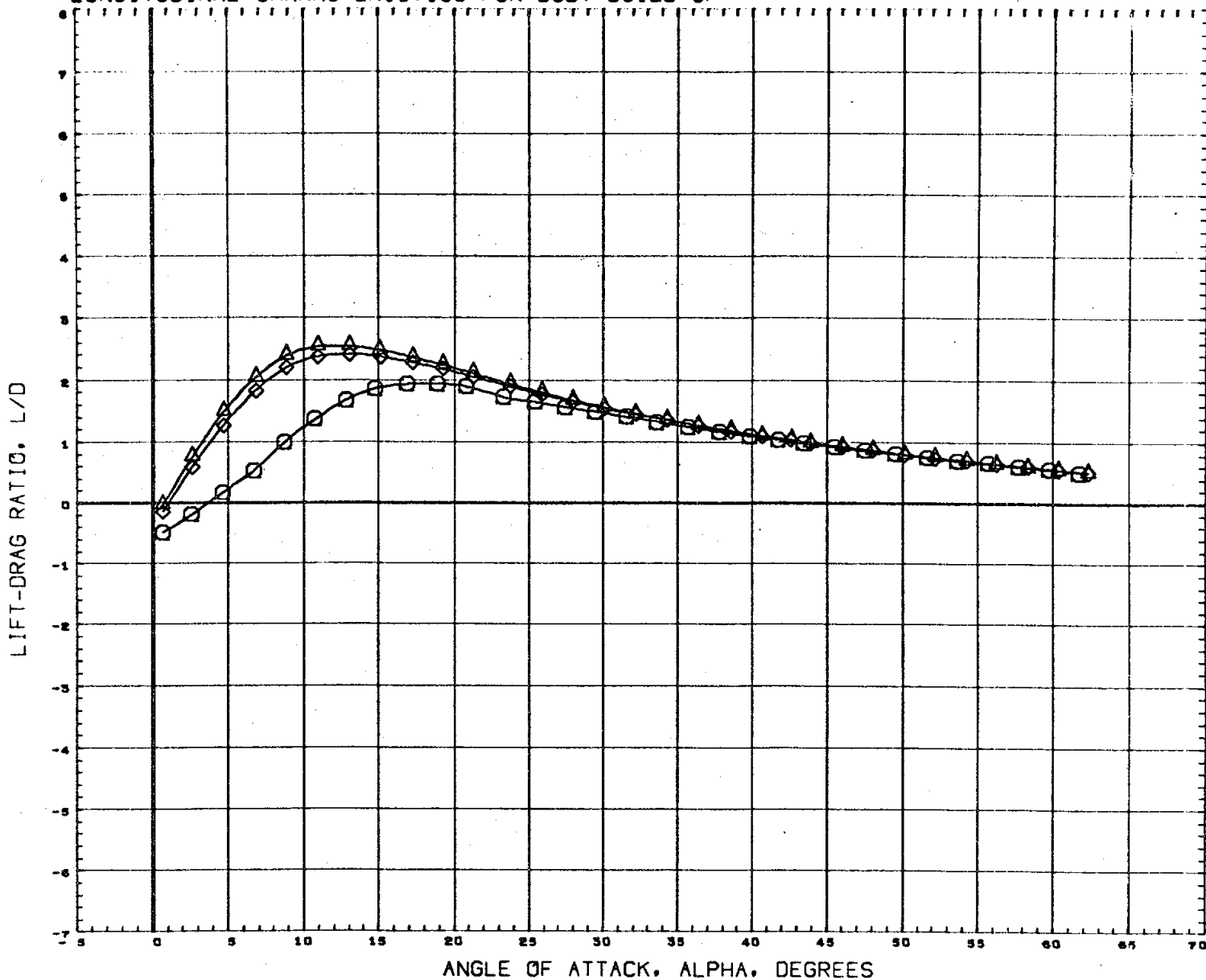
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA
(C76105)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1)	0.000
(C76205)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	0.000
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000

REFERENCE INFORMATION		
SREF	7.4190	52. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 1.96

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LONGITUDINAL CHARACTERISTICS FOR BODY BUILD-UP



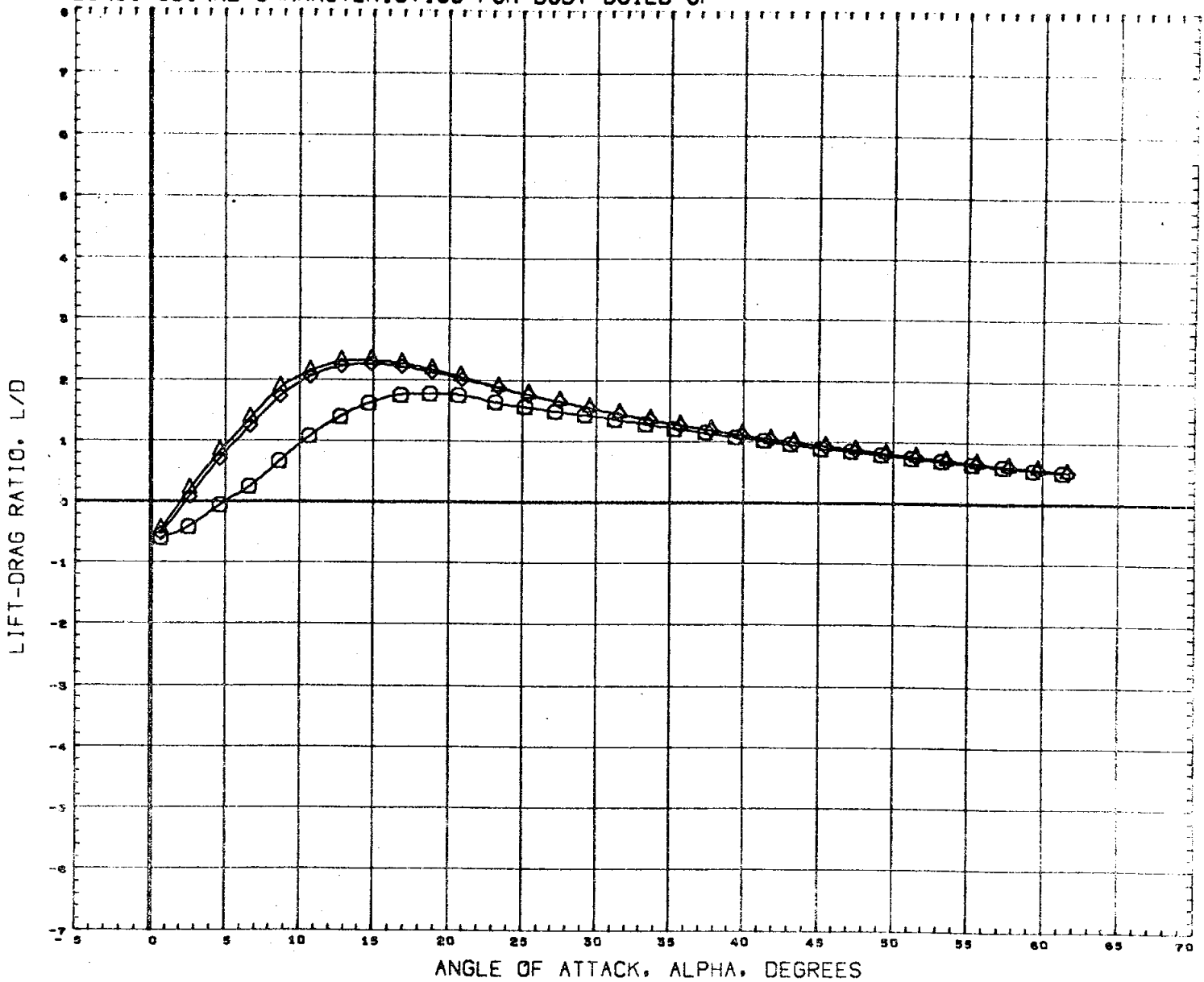
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA
(C7610S)	M555(FA3) NAR ATP ORB (B1C1D1F1M1)	0.000
(C7620S)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	0.000
(C7630S)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4330	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 2.99

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LONGITUDINAL CHARACTERISTICS FOR BODY BUILD-UP



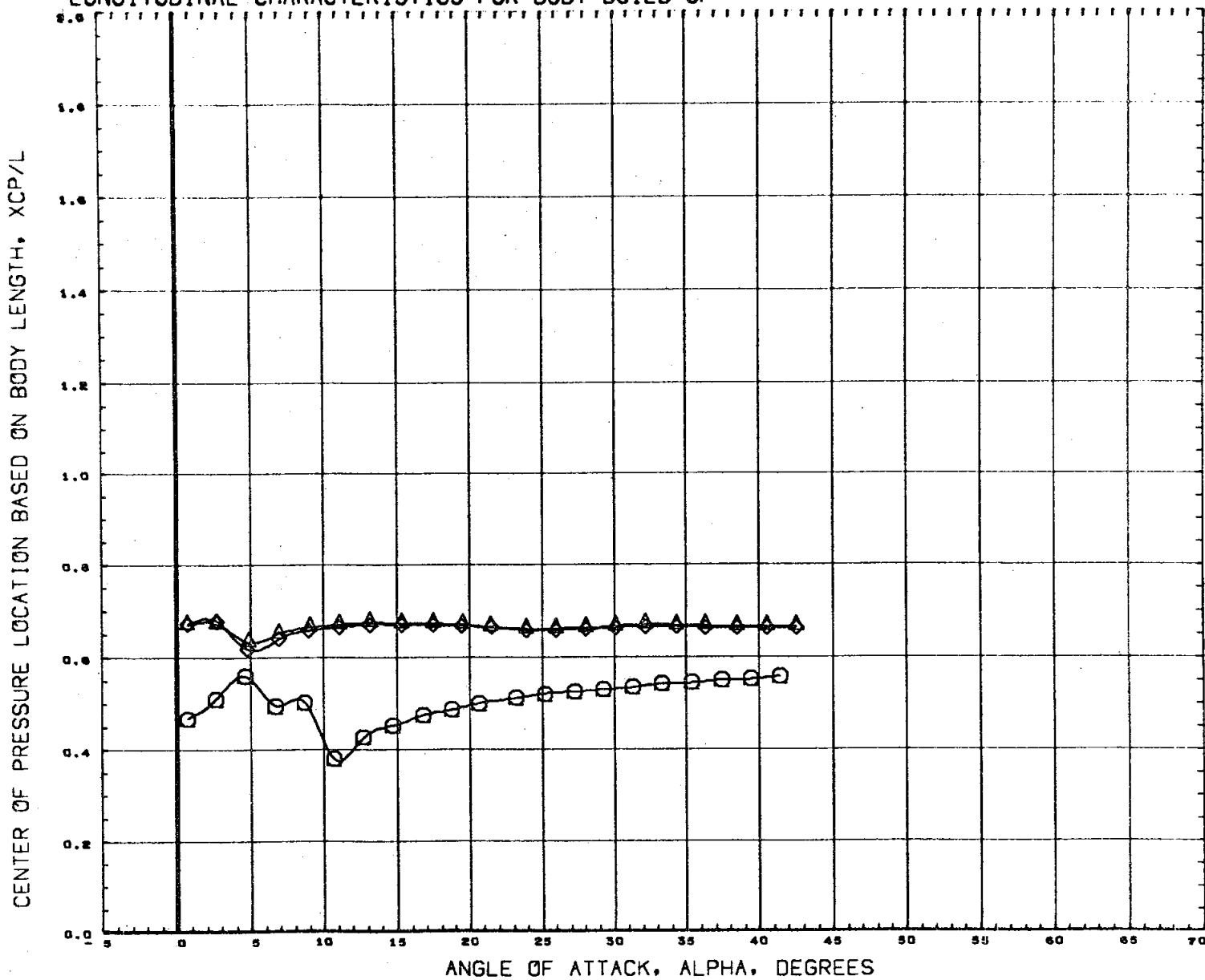
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA
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(C7620S)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	0.000
(C7630S)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRF	3.4530	IN.
YMRF	0.0000	IN.
ZMRF	0.0000	IN.
SCALE	0.0040	

MACH 4.96

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LONGITUDINAL CHARACTERISTICS FOR BODY BUILD-UP



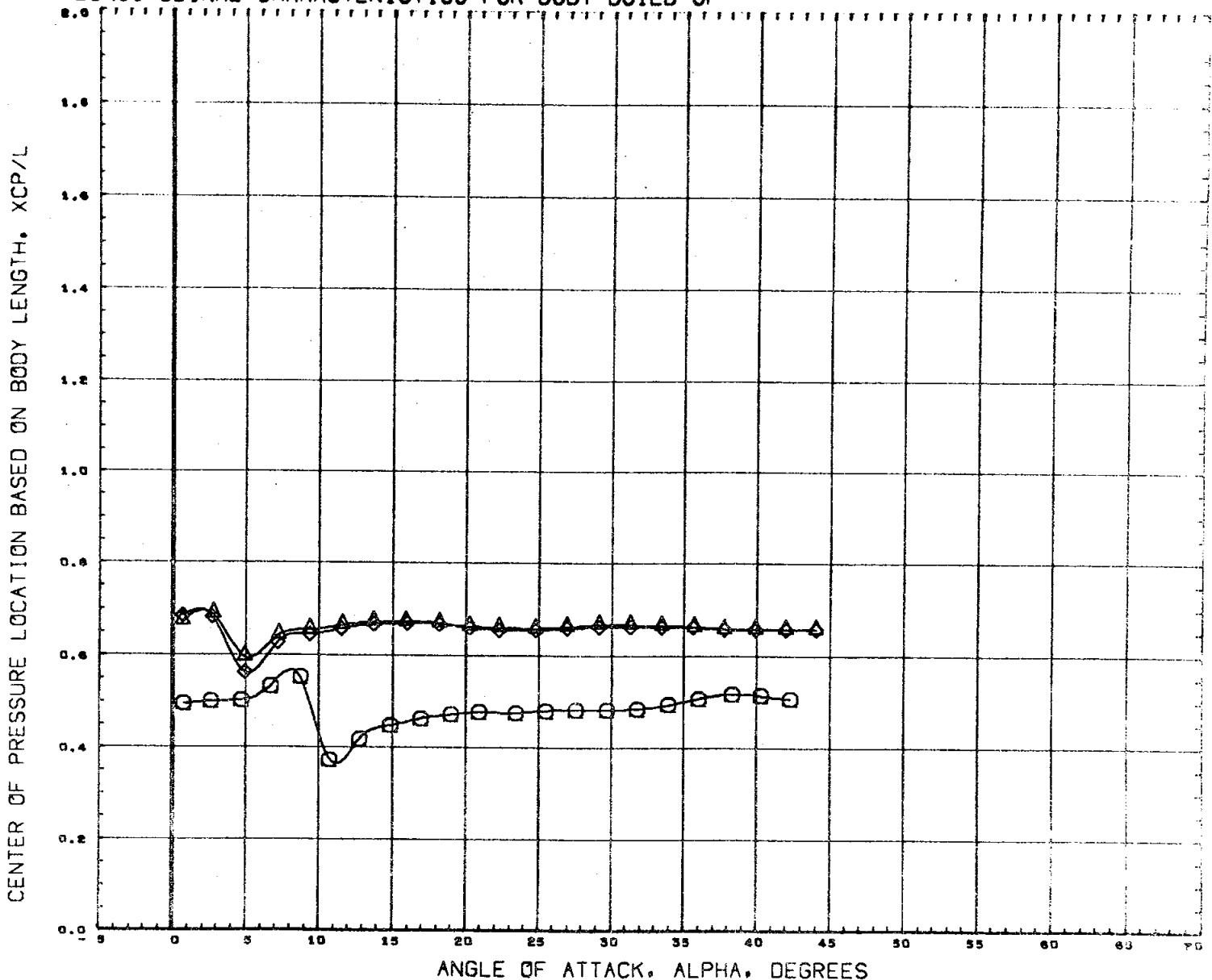
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA
(C7610S)	M555(FA3) NAR ATP ORB (B1C1D1F1M1)	0.000
(C7620S)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	0.000
(C7630S)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH .60

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LONGITUDINAL CHARACTERISTICS FOR BODY BUILD-UP



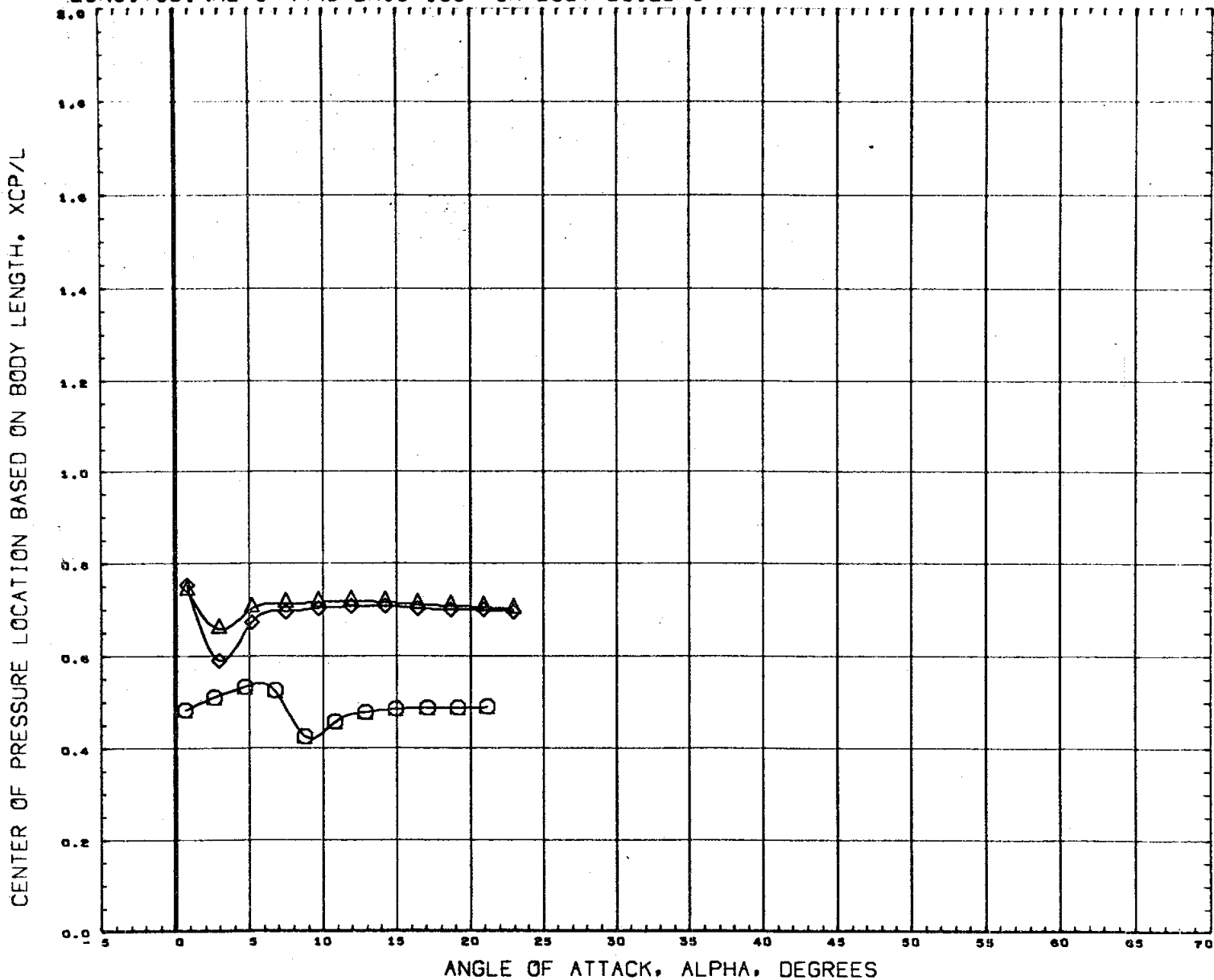
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA
(C7610S)	M555(FA3) NAR ATP ORB (B1C1D1F1M1)	0.000
(C7620S)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	0.000
(C7630S)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000

REFERENCE INFORMATION		
SREF	7.4190	sq. in.
LREF	2.1020	in.
BREF	4.0300	in.
XMRP	3.4530	in.
YMRP	0.0000	in.
ZMRP	0.0000	in.
SCALE	0.0040	

MACH .91

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LONGITUDINAL CHARACTERISTICS FOR BODY BUILD-UP



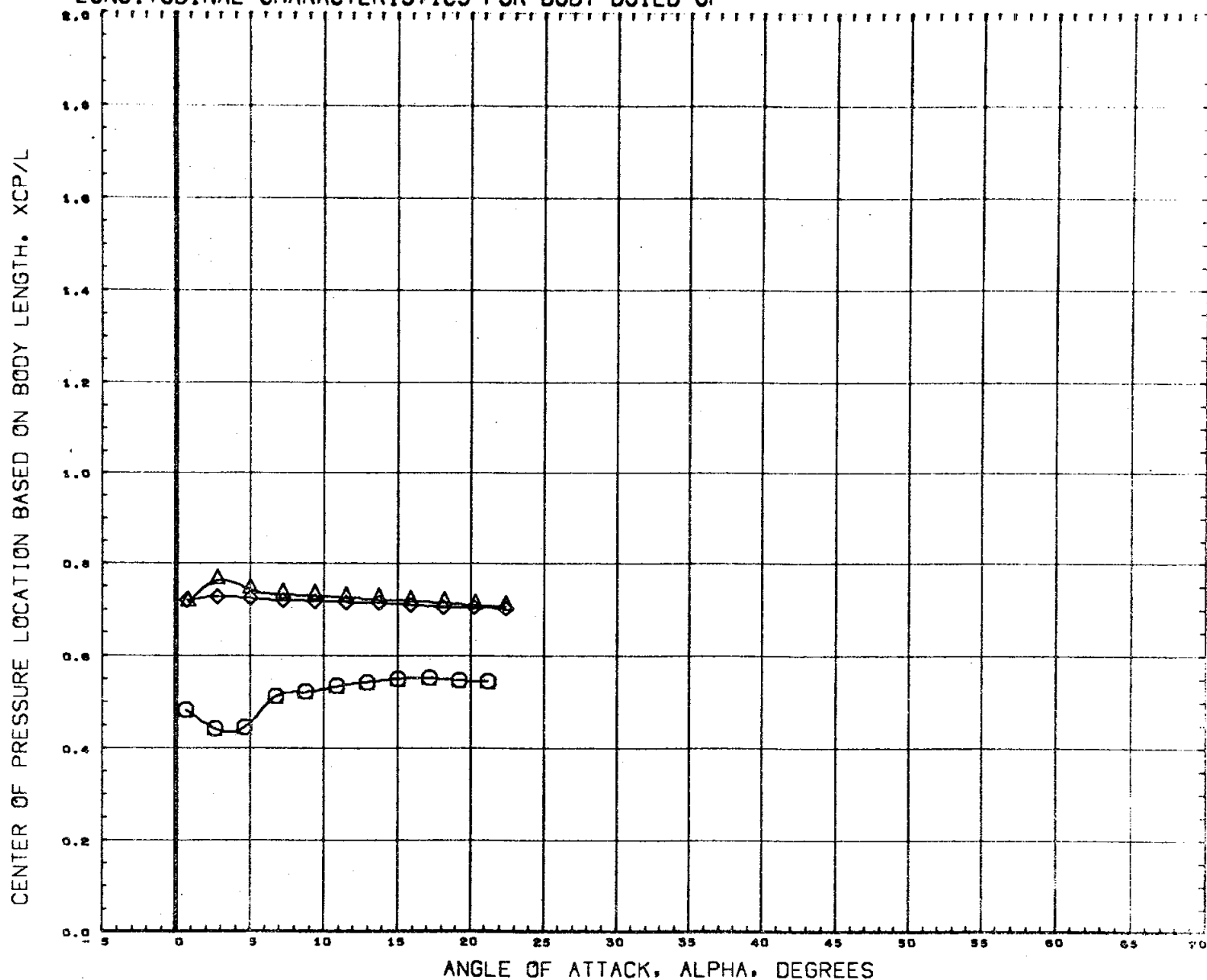
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA
(C7610S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1)	0.000
(C7620S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	0.000
(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 1.20

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LONGITUDINAL CHARACTERISTICS FOR BODY BUILD-UP



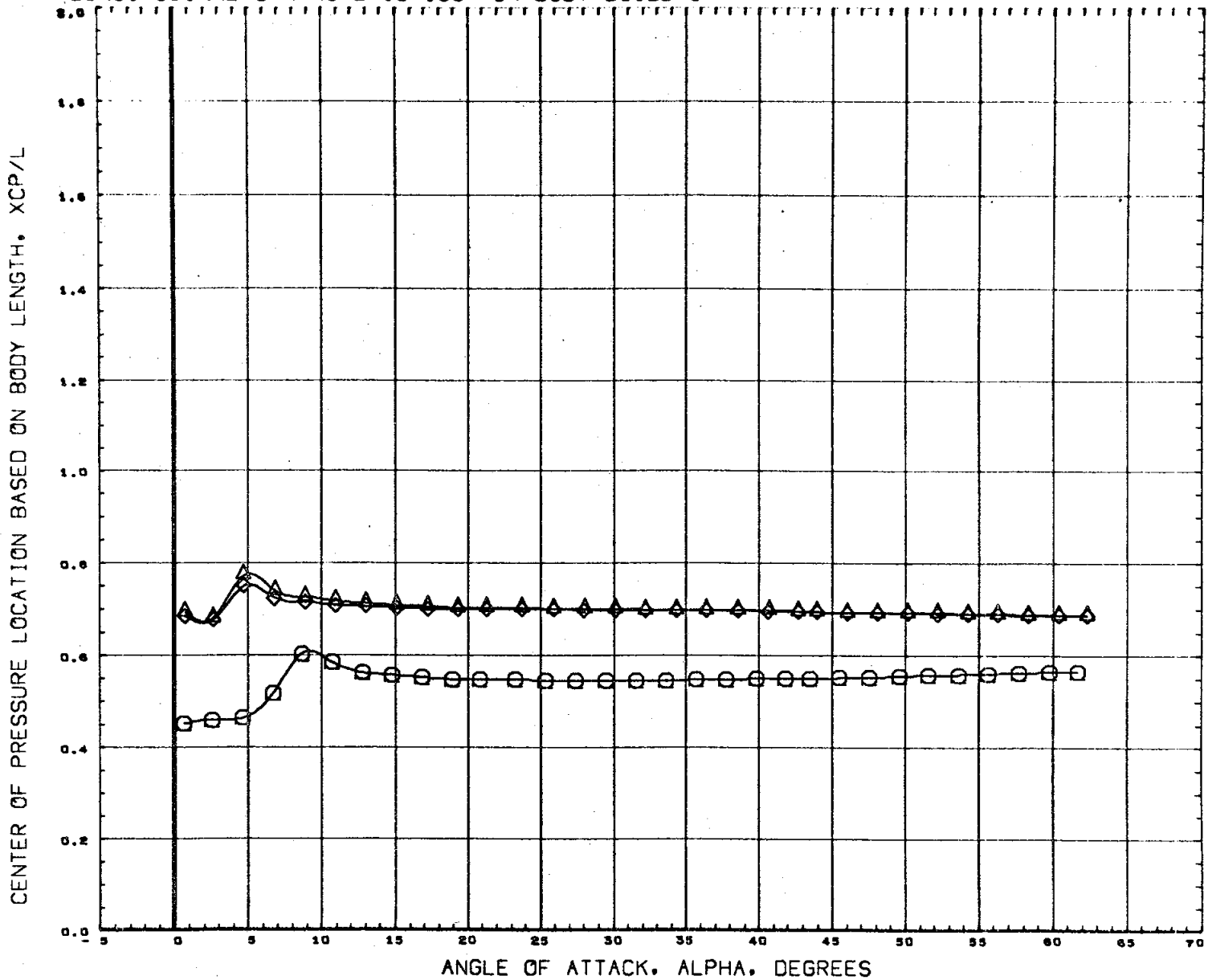
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA
(C7610S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1)	0.000
(C7620S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	0.000
(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 1.96

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LONGITUDINAL CHARACTERISTICS FOR BODY BUILD-UP



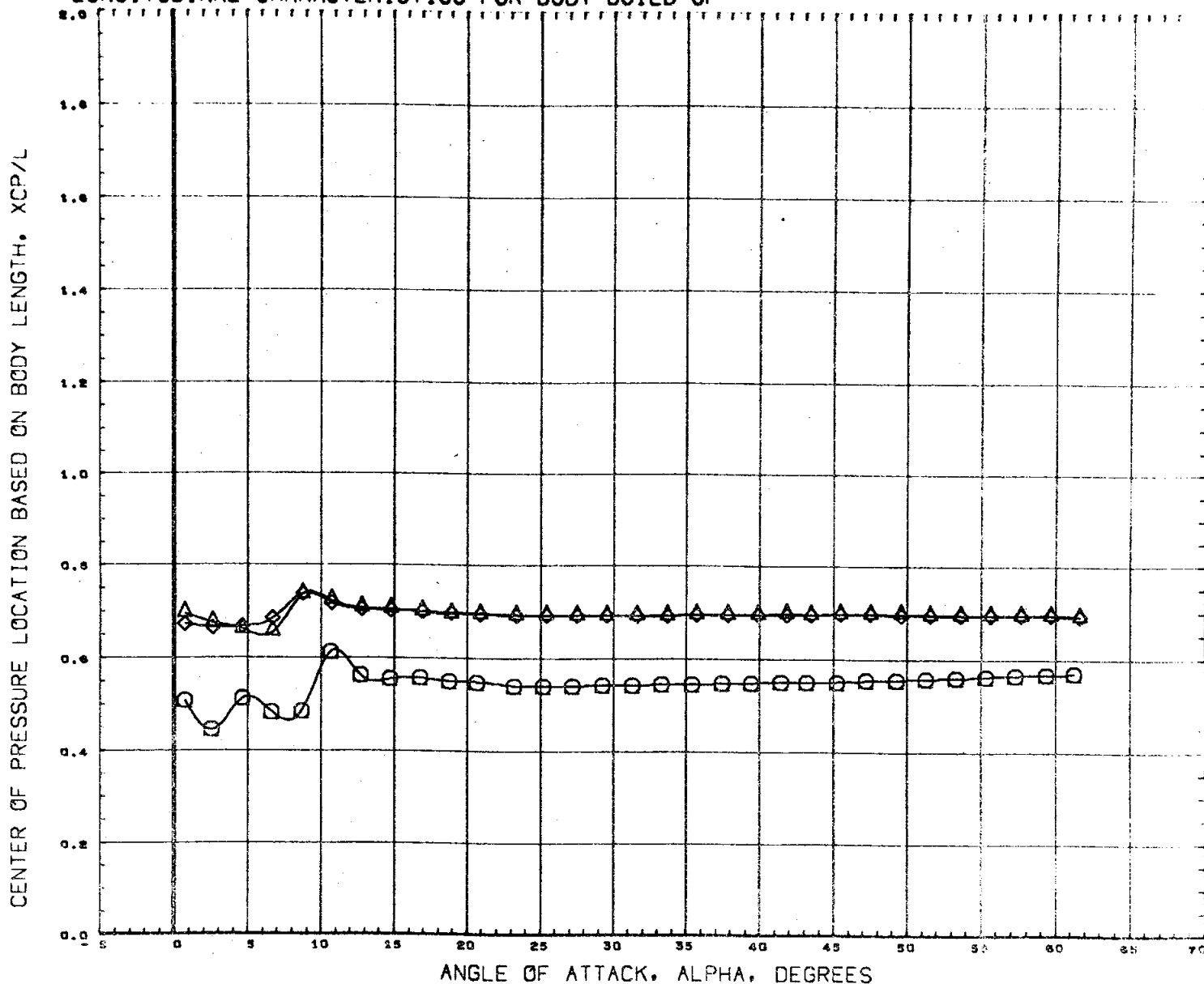
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA
(C7610S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1)	0.000
(C7620S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	0.000
(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1E1)	0.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 2.99

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LONGITUDINAL CHARACTERISTICS FOR BODY BUILD-UP



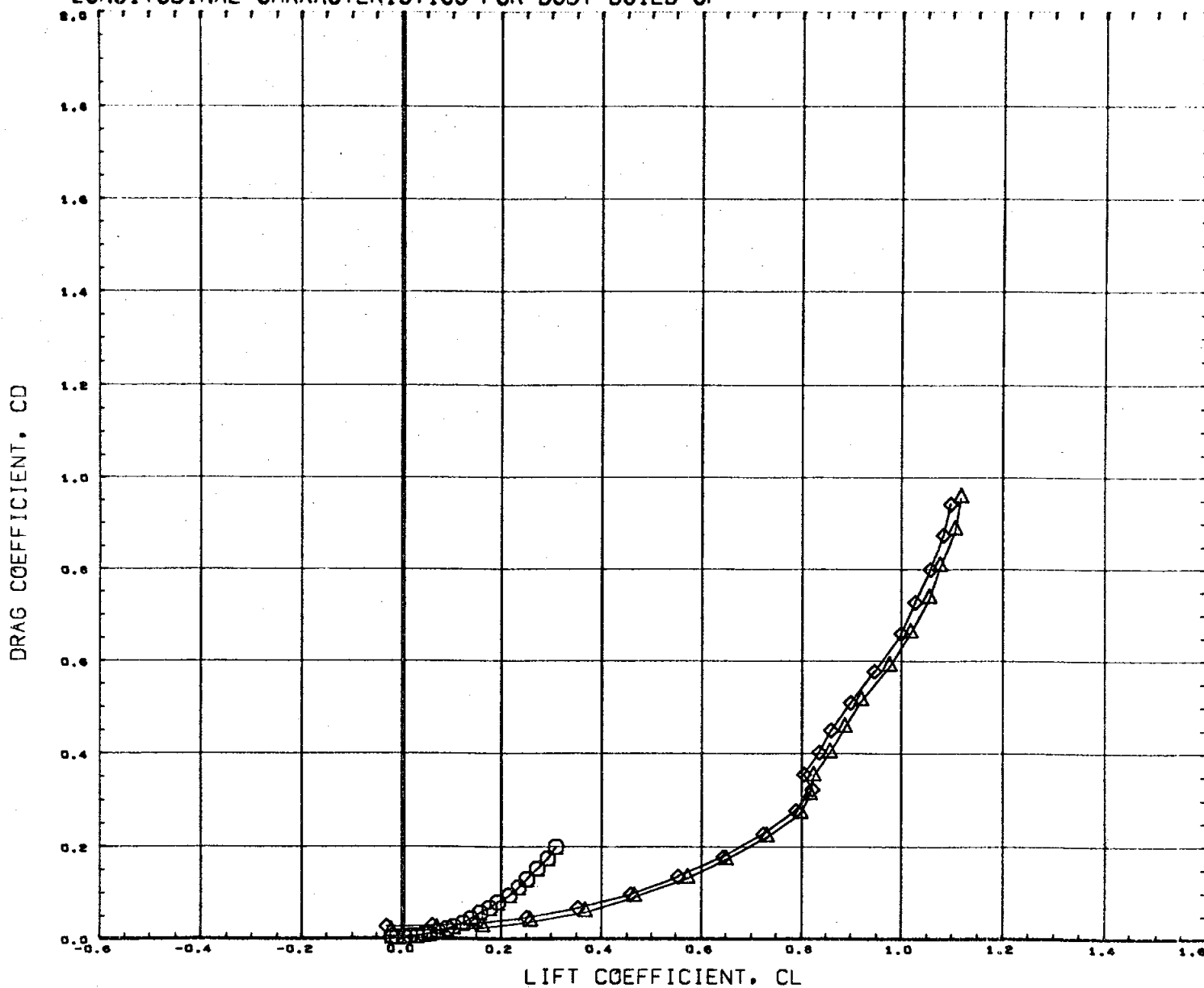
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA
(C7610S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1)	0.000
(C7620S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	0.000
(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000

REFERENCE INFORMATION		
SREF	7.4190	50. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 4.96

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LONGITUDINAL CHARACTERISTICS FOR BODY BUILD-UP



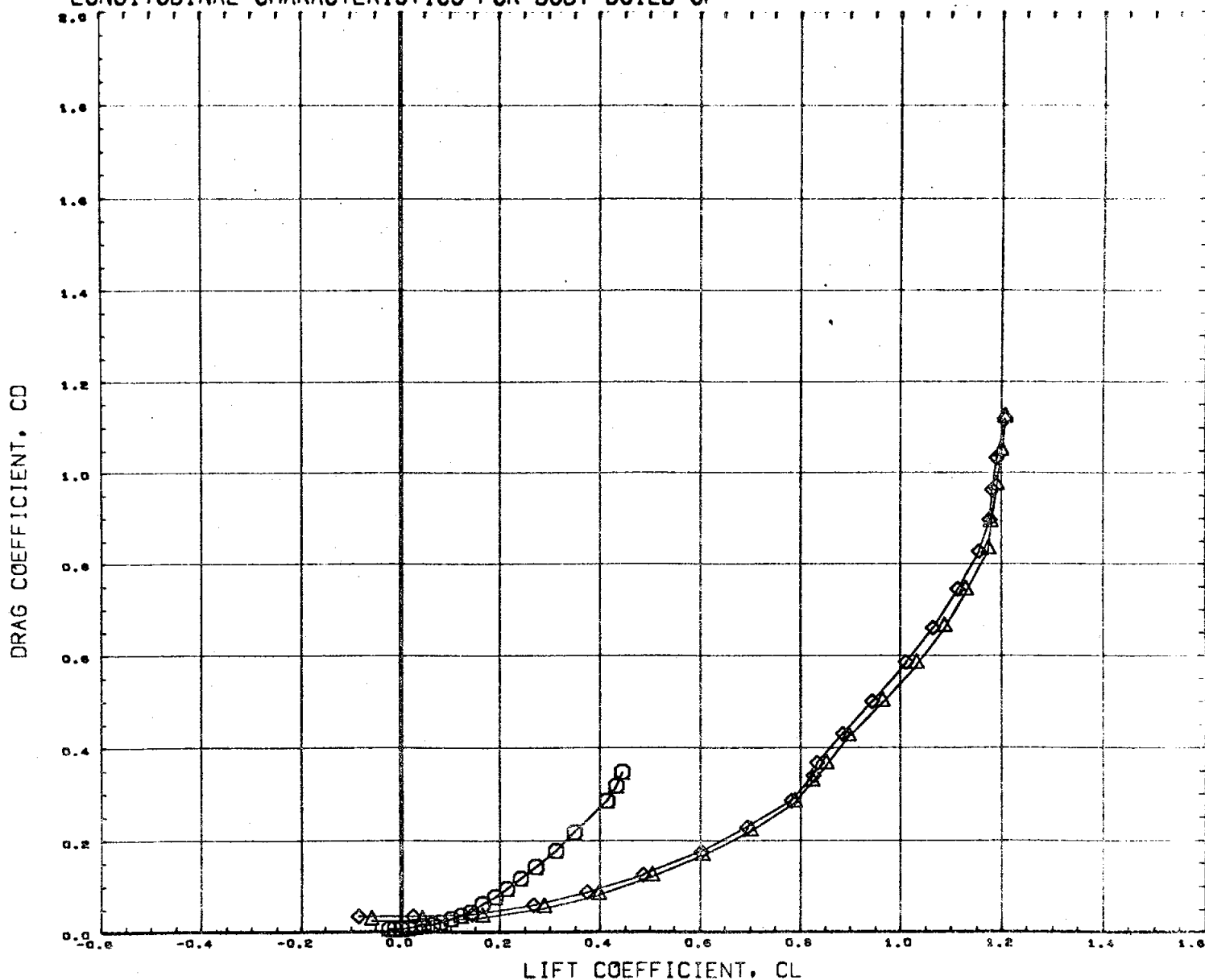
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA
(C7610S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1)	0.000
(C7620S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	0.000
(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH .60

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LONGITUDINAL CHARACTERISTICS FOR BODY BUILD-UP



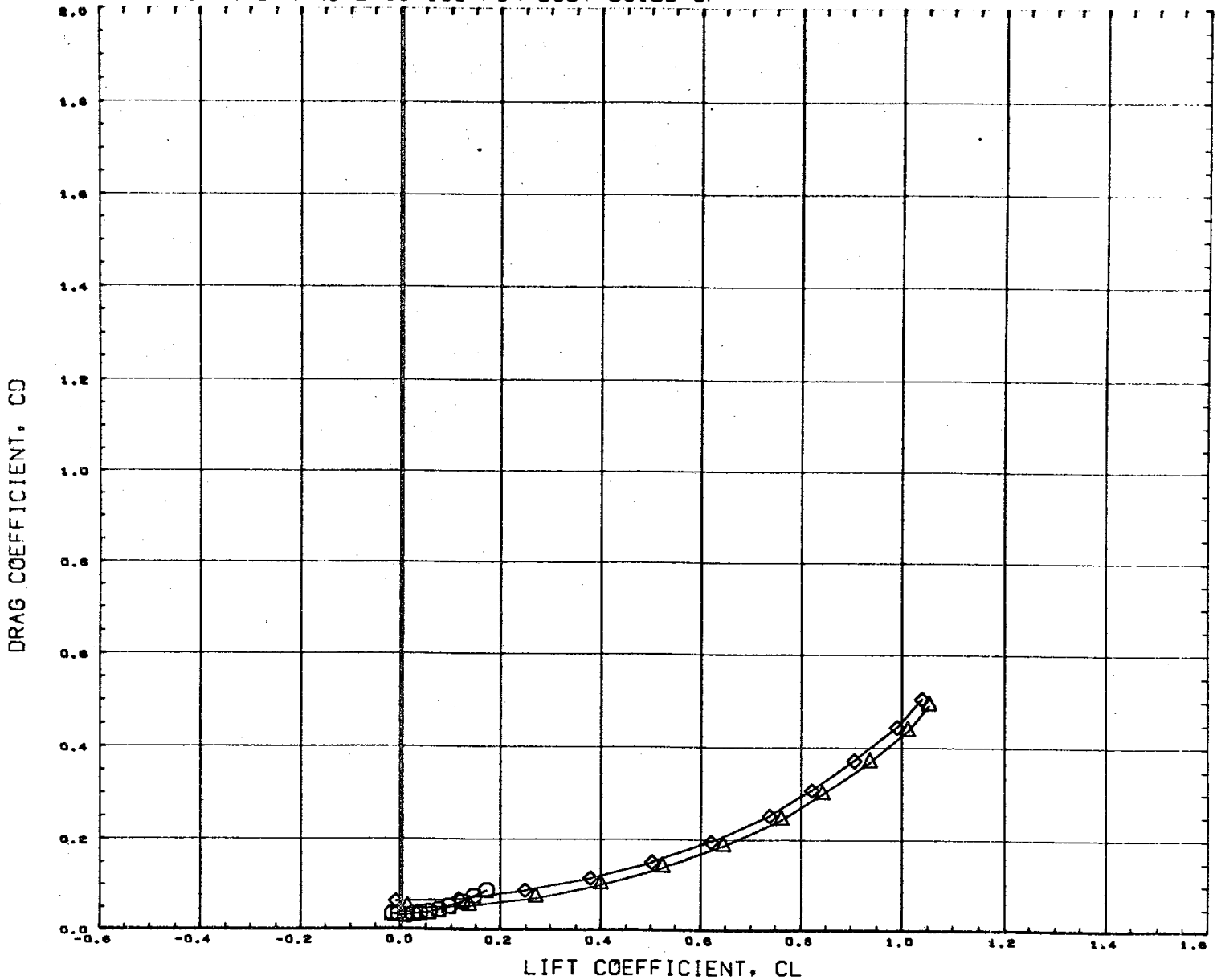
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA
(C7610S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1)	0.000
(C7620S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	0.000
(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4330	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH .91

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LONGITUDINAL CHARACTERISTICS FOR BODY BUILD-UP



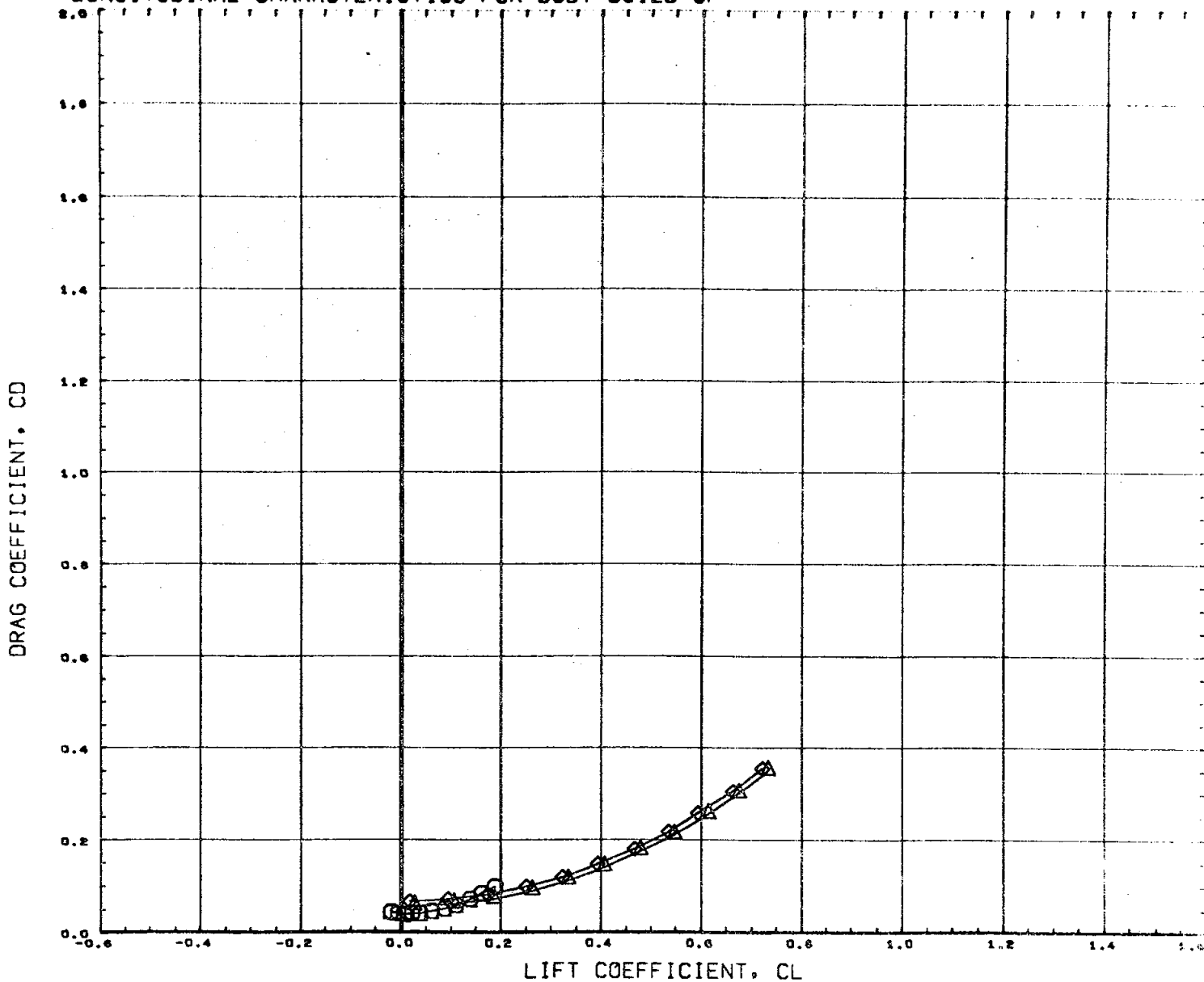
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA
(C76105)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1)	0.000
(C76205)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	0.000
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRF	3.4530	IN.
YMRF	0.0000	IN.
ZMRF	0.0000	IN.
SCALE	0.0040	

MACH 1.20

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LONGITUDINAL CHARACTERISTICS FOR BODY BUILD-UP



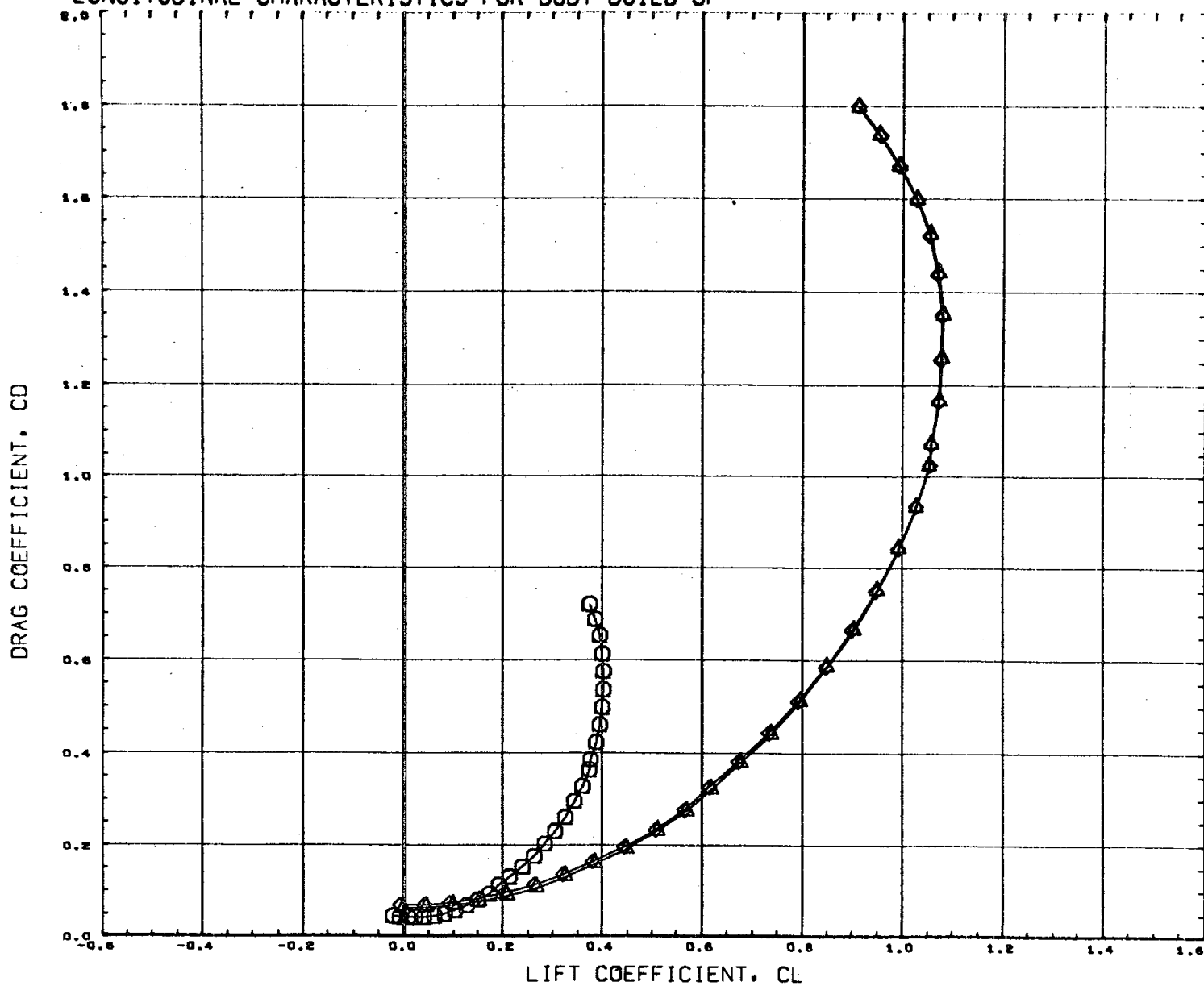
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA
(C7610S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1)	0.000
(C7620S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	0.000
(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 1.96

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LONGITUDINAL CHARACTERISTICS FOR BODY BUILD-UP



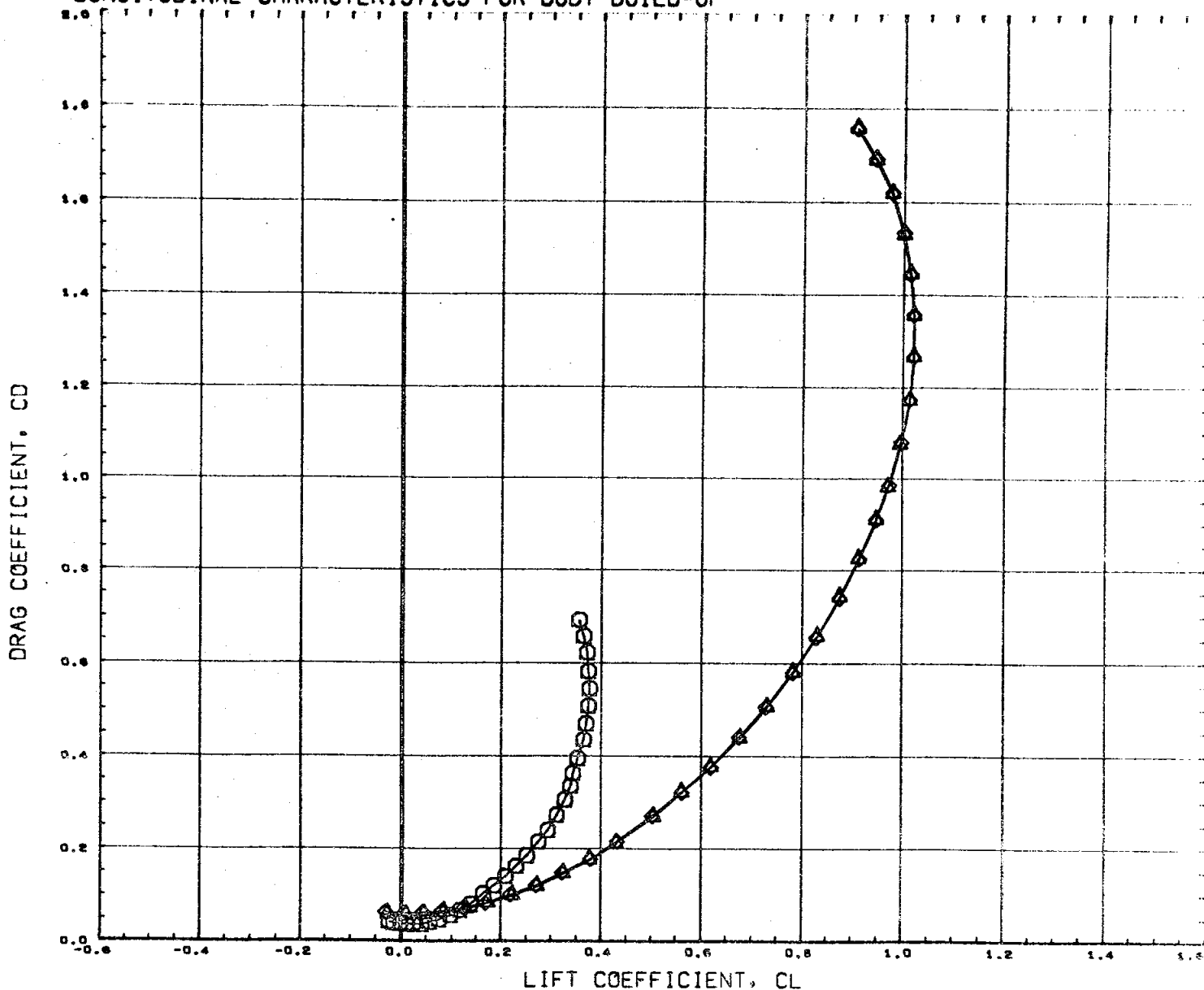
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA
(C7610S)	M555(FA3) NAR ATP ORB (B1C1D1F1M1)	0.000
(C7620S)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	0.000
(C7630S)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 2.99

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LONGITUDINAL CHARACTERISTICS FOR BODY BUILD-UP



DATA SET SYMBOL CONFIGURATION DESCRIPTION

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA
(C7610S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1)	0.000
(C7620S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	0.000
(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000

BETA

0.000
0.000
0.000

REFERENCE INFORMATION

SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

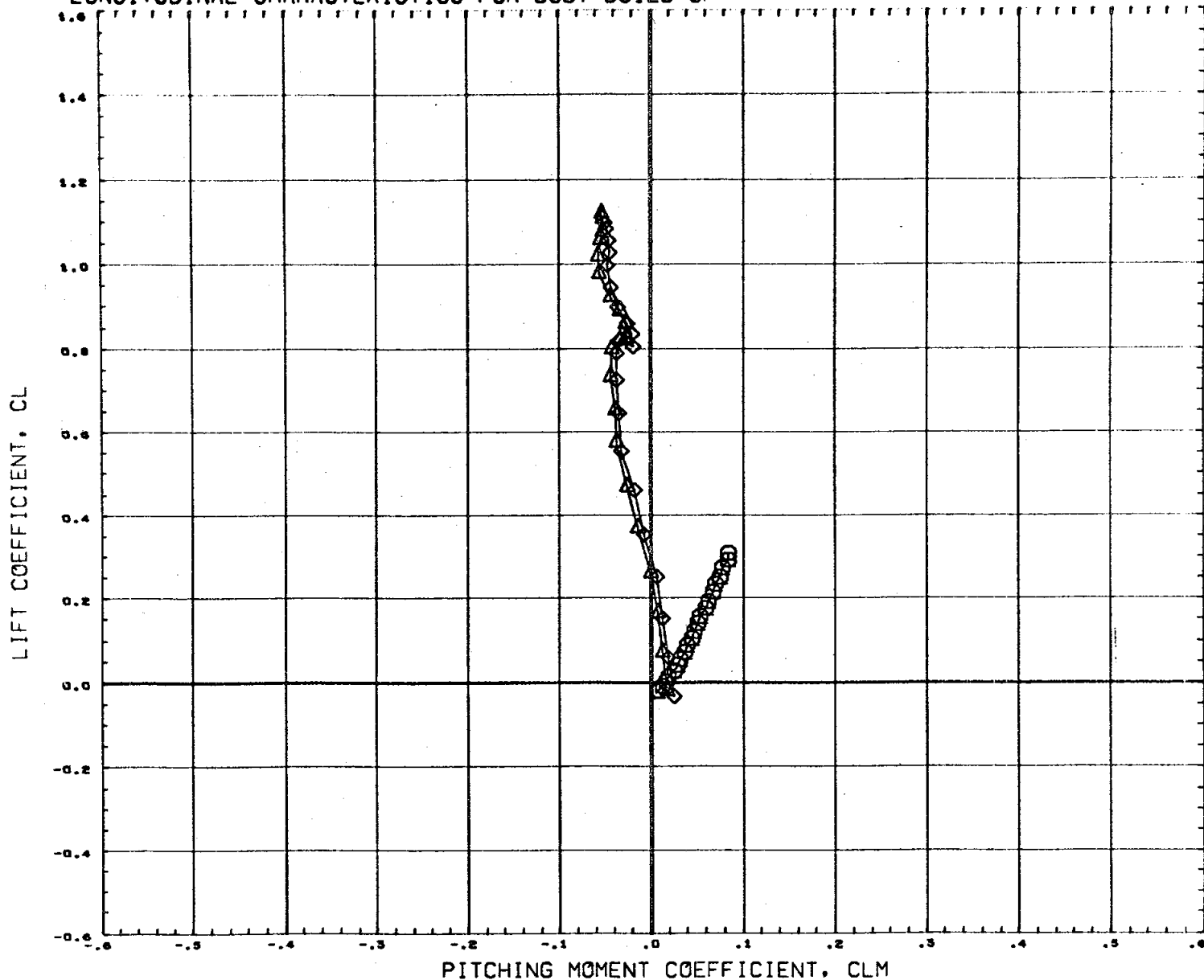
MACH

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LONGITUDINAL CHARACTERISTICS FOR BODY BUILD-UP



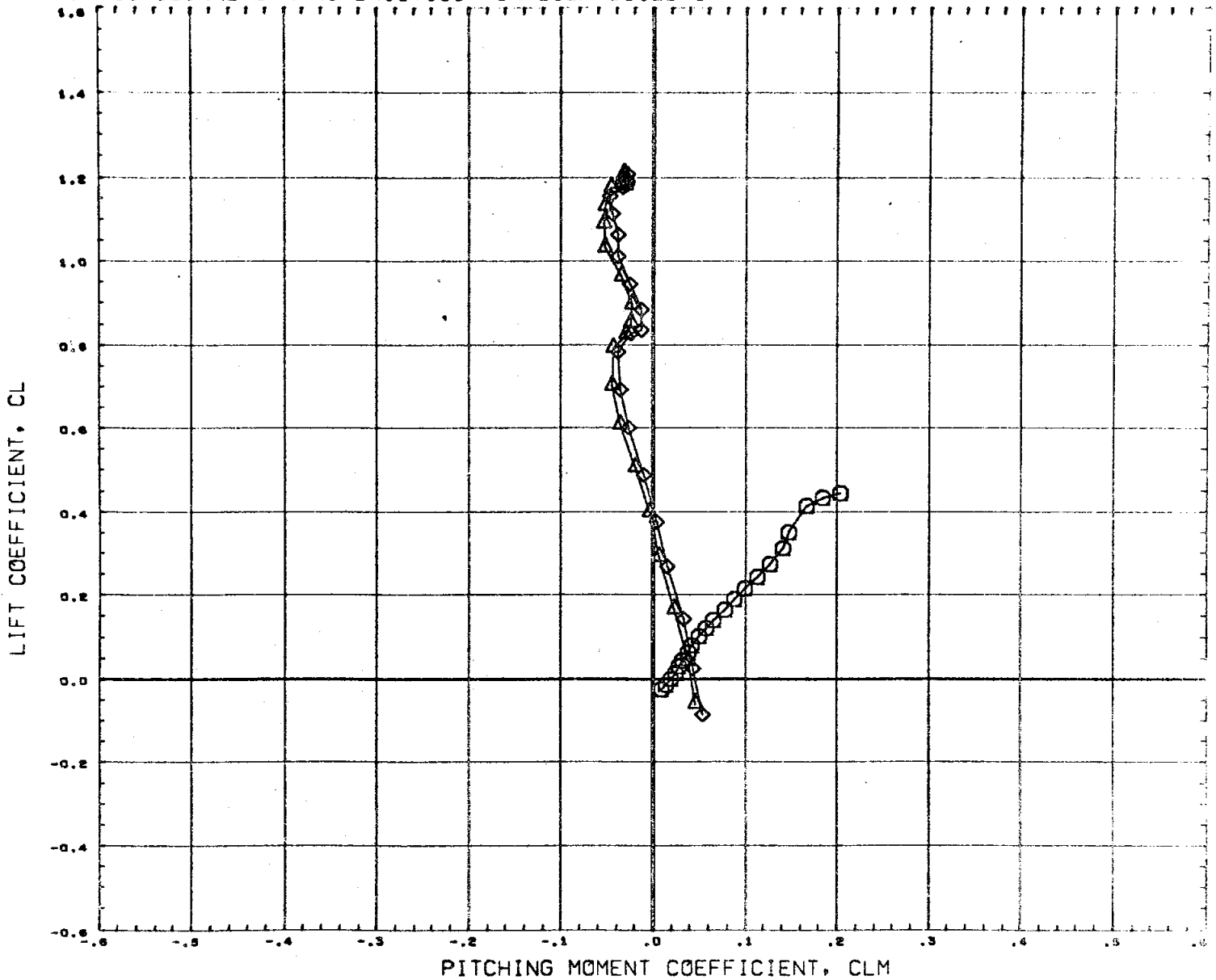
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA
(C761PS)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1)	0.000
(C762OS)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	0.000
(C763OS)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000

REFERENCE INFORMATION		
SREF	7.4195	SG. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

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LONGITUDINAL CHARACTERISTICS FOR BODY BUILD-UP



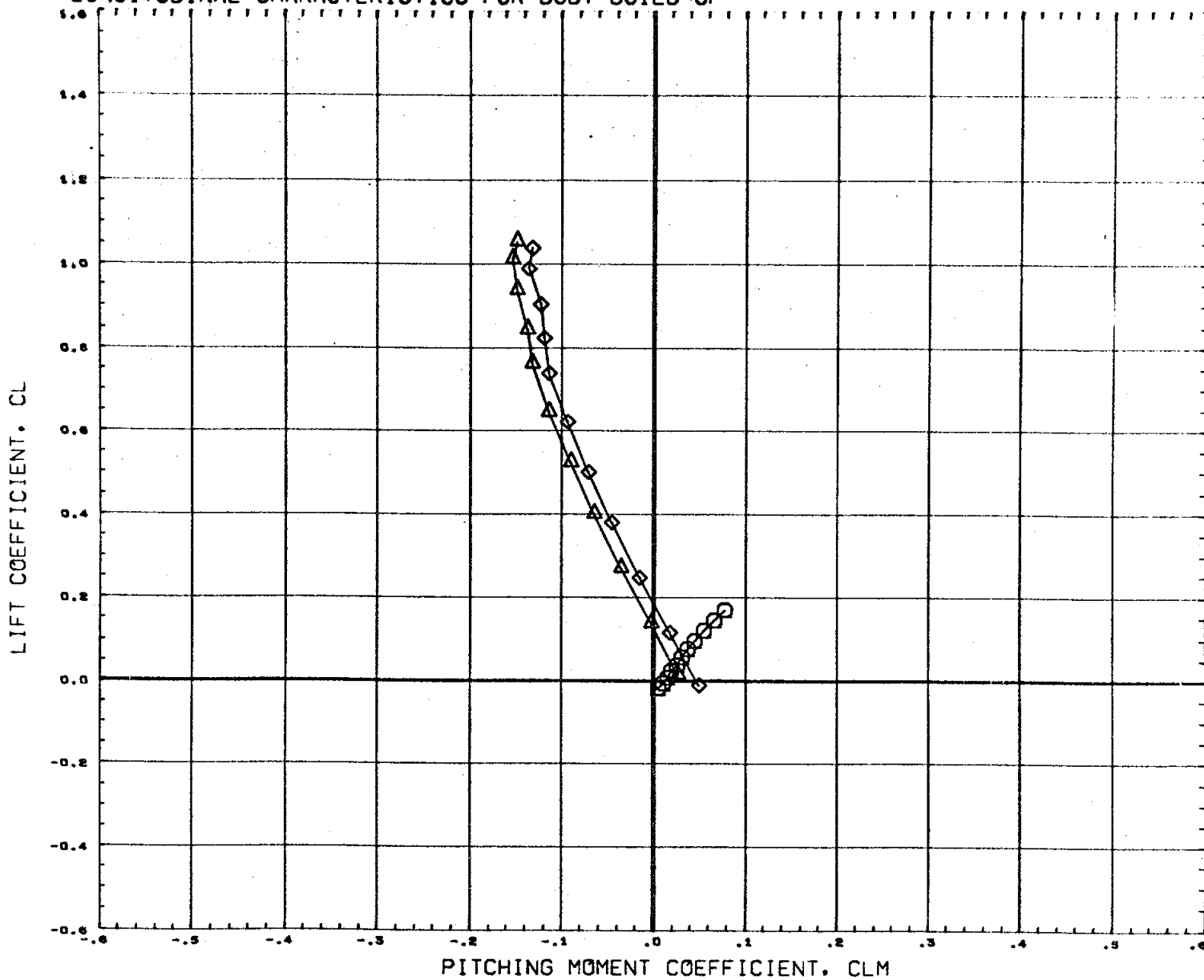
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA
(C7610S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1)	0.000
(C7620S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	0.000
(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

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LONGITUDINAL CHARACTERISTICS FOR BODY BUILD-UP



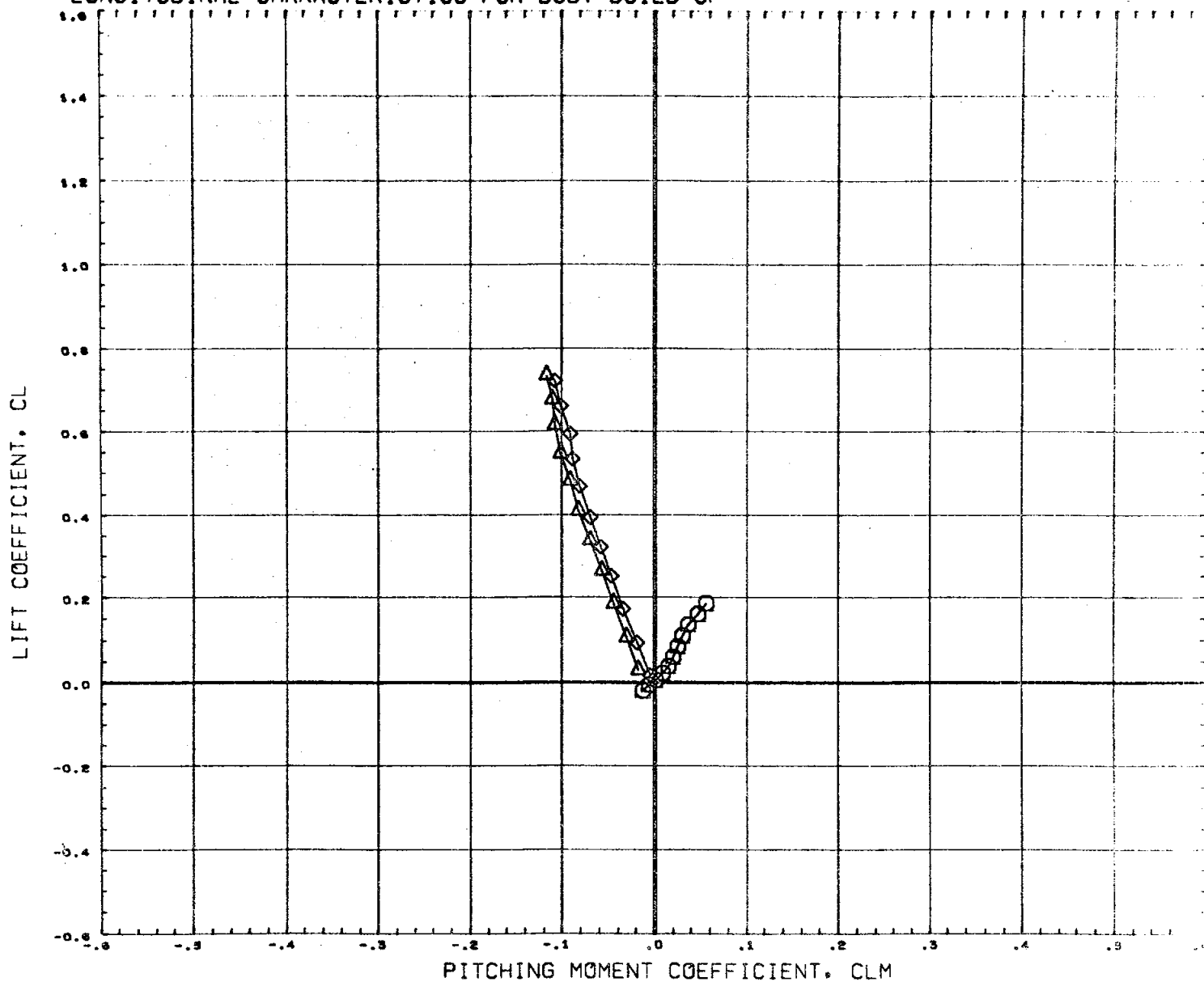
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA
(C7610S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1)	0.000
(C7620S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	0.000
(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4536	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 1.20

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LONGITUDINAL CHARACTERISTICS FOR BODY BUILD-UP



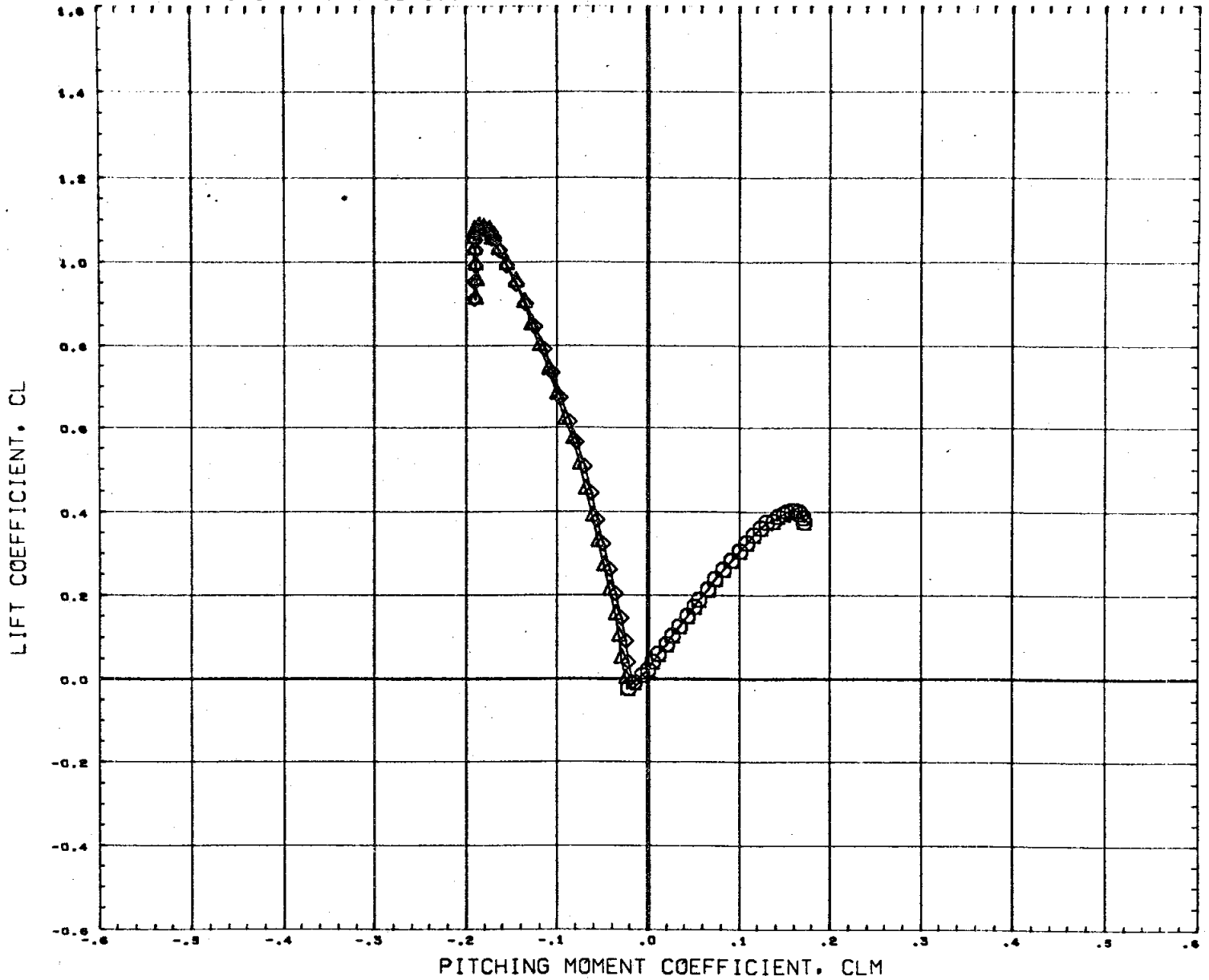
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BEYA
(C7610S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1)	0.000
(C7620S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	0.000
(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000

REFERENCE INFORMATION		
SREF	7.4190	50. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 1.96

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LONGITUDINAL CHARACTERISTICS FOR BODY BUILD-UP



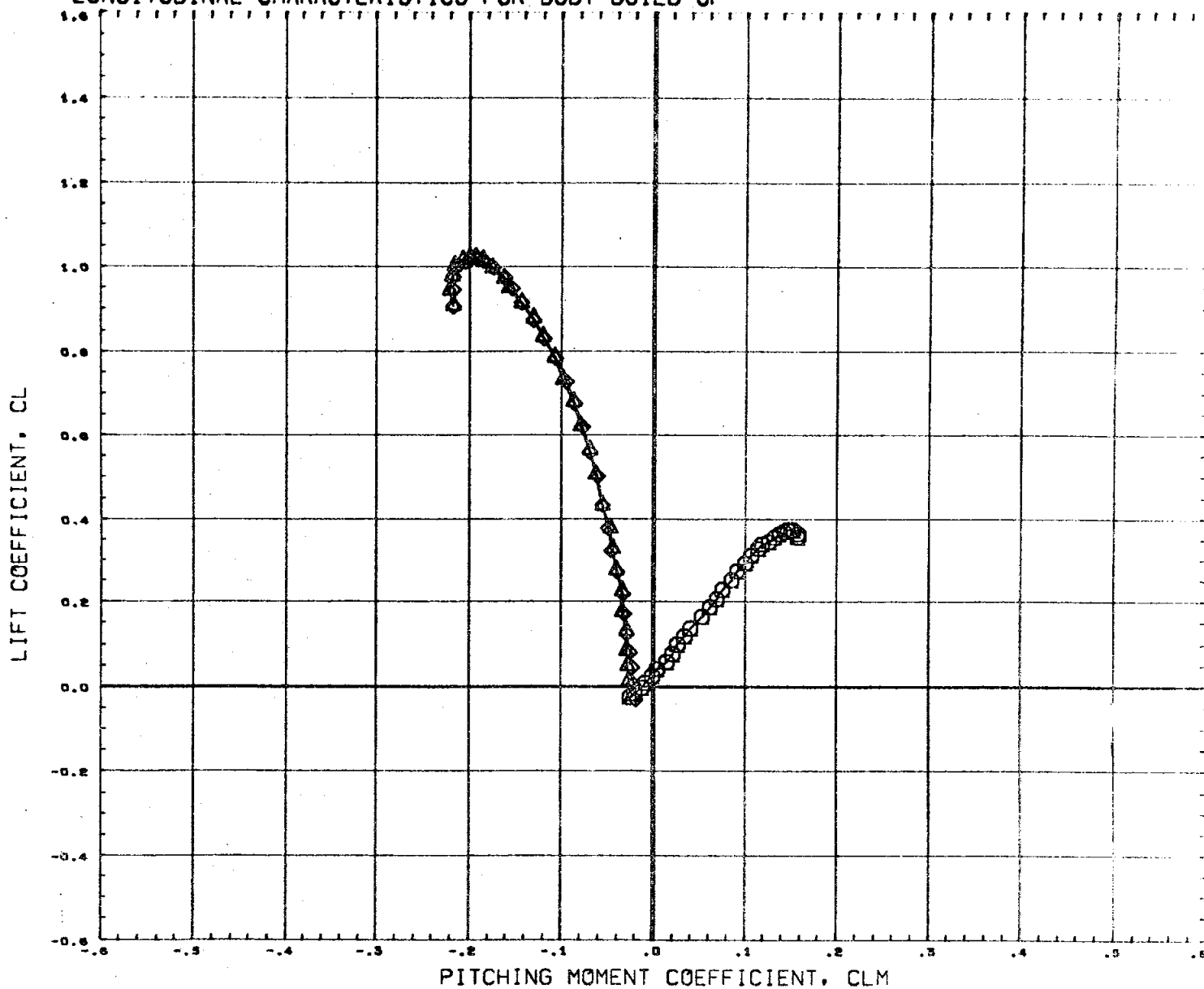
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA
(C76105)	N555 (FA3) NAR ATP ORB (B1C1D1F1M1)	0.000
(C76205)	N555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	0.000
(C76305)	N555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 2.99

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LONGITUDINAL CHARACTERISTICS FOR BODY BUILD-UP



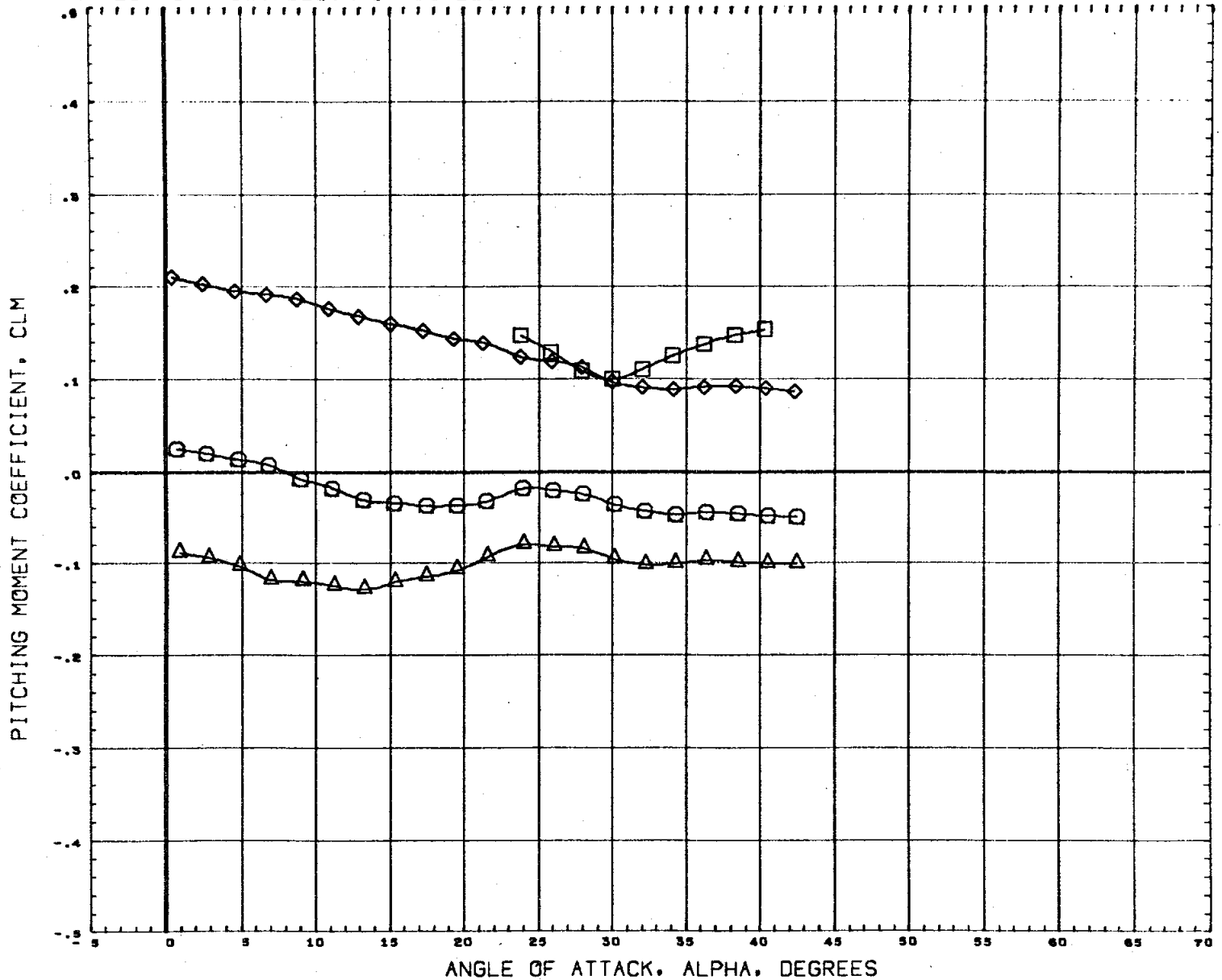
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA
(C7610S)	M555(FA3) NAR ATP ORB (B1C1D1F1M1)	0.000
(C7620S)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	0.000
(C7630S)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

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EFFECT OF FULL ELEVATOR DEFLECTION ON BASELINE CONFIGURATION



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76509)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	0.000	10.000	LREF	2.1020 IN.
(C76511)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	0.000	10.000	BREF	4.0300 IN.
(C76514)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-40.000	0.000	10.000	XMRP	3.4530 IN.
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						ZMRP	0.0000 IN.
						SCALE	0.0040

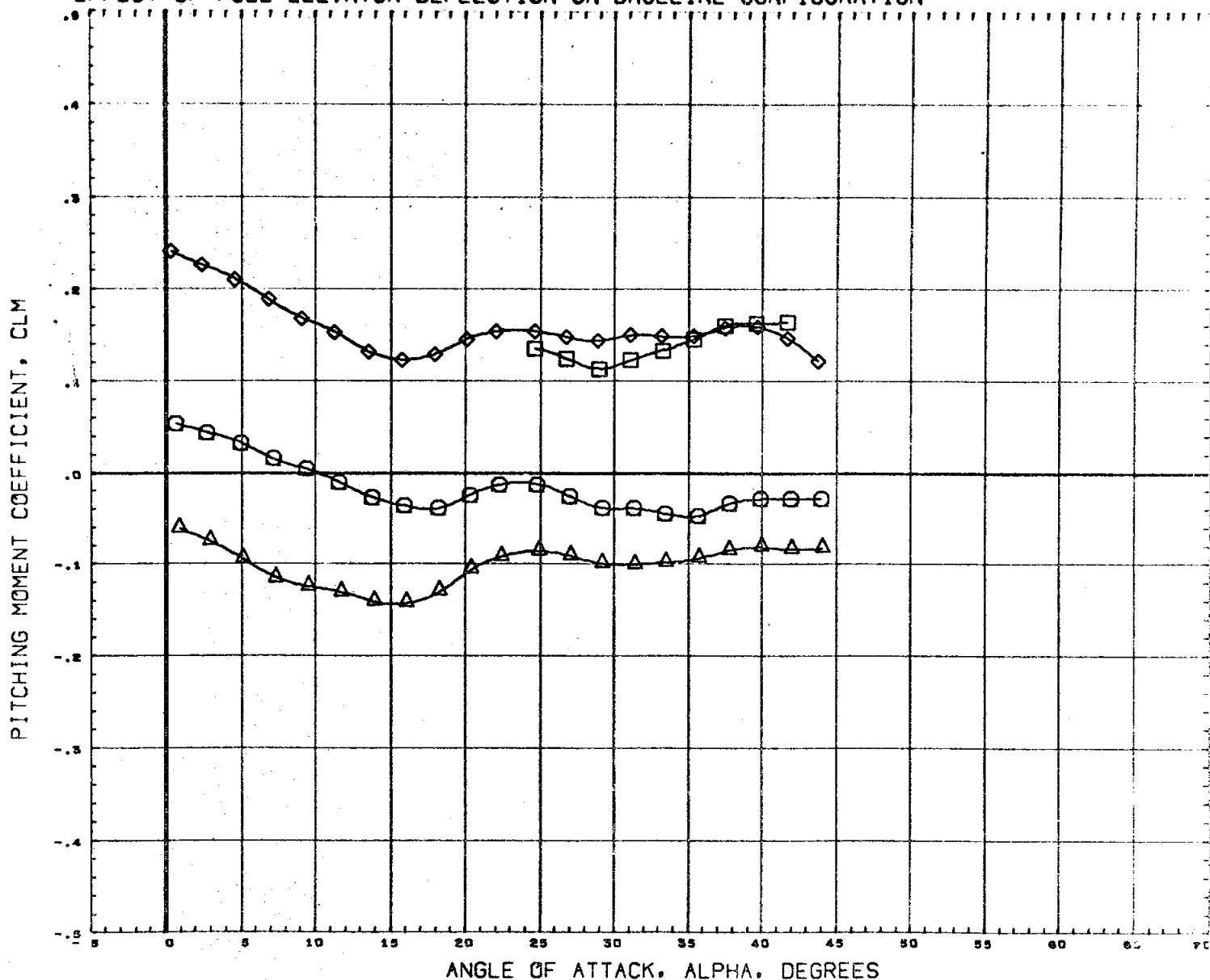
MACH

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EFFECT OF FULL ELEVATOR DEFLECTION ON BASELINE CONFIGURATION

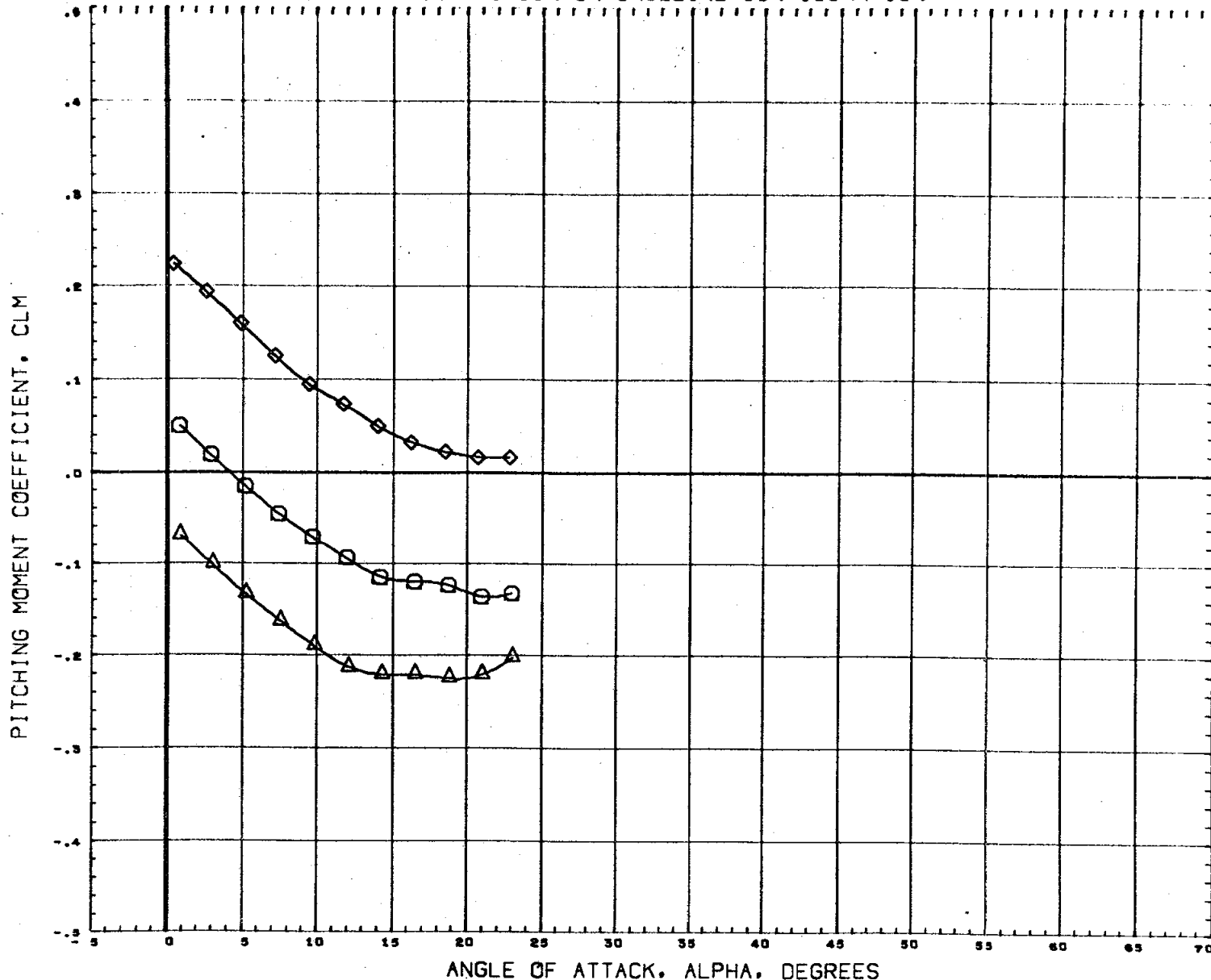


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION		
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190	SQ. IN.
(C76309)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	0.000	10.000	LREF	2.1020	IN.
(C76311)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	0.000	10.000	BREF	4.0300	IN.
(C76314)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-40.000	0.000	10.000	XMRP	3.4330	IN.
						YMRP	0.0000	IN.
						ZMRP	0.0000	IN.
						SCALE	0.0040	

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EFFECT OF FULL ELEVATOR DEFLECTION ON BASELINE CONFIGURATION

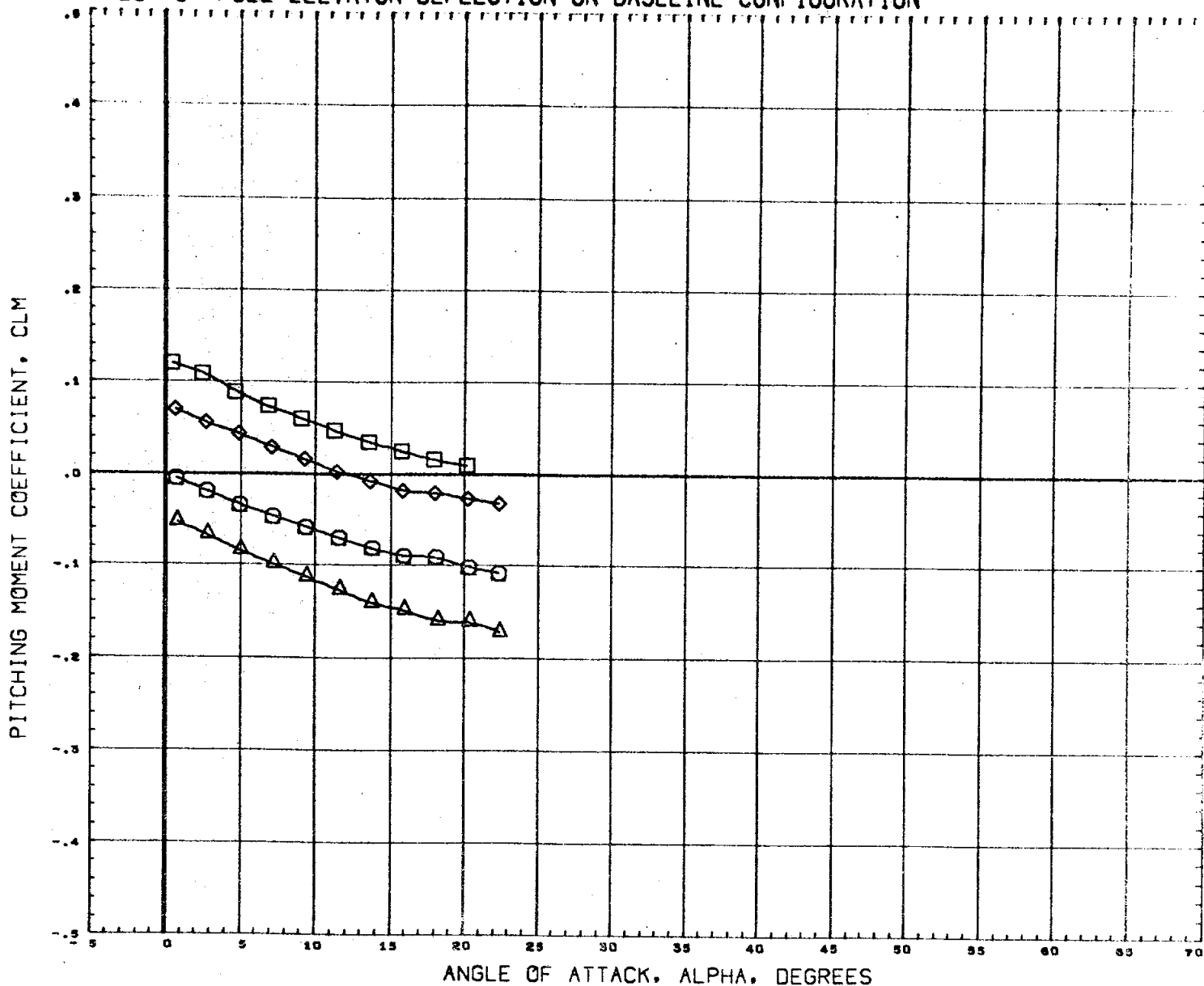


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76309)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	0.000	10.000	LREF	2.1020 IN.
(C76311)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	0.000	10.000	BREF	4.0300 IN.
(C76314)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	-40.000	0.000	10.000	XMRP	3.4330 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 1.20

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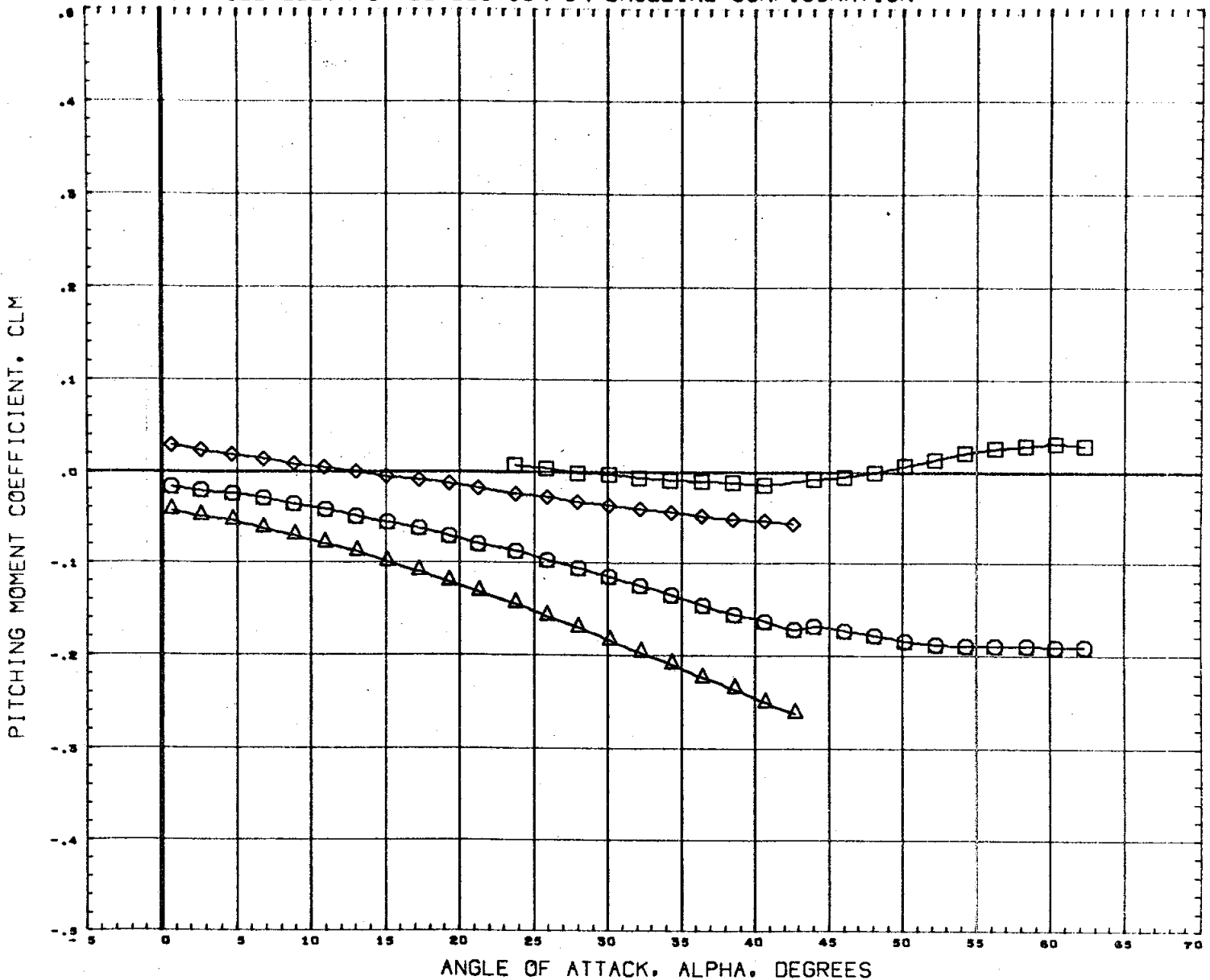
EFFECT OF FULL ELEVATOR DEFLECTION ON BASELINE CONFIGURATION



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76309)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	0.000	10.000	LREF	2.1026 IN.
(C76311)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	0.000	10.000	BREF	4.0300 IN.
(C76314)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-40.000	0.000	10.000	XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 1.97

EFFECT OF FULL ELEVATOR DEFLECTION ON BASELINE CONFIGURATION

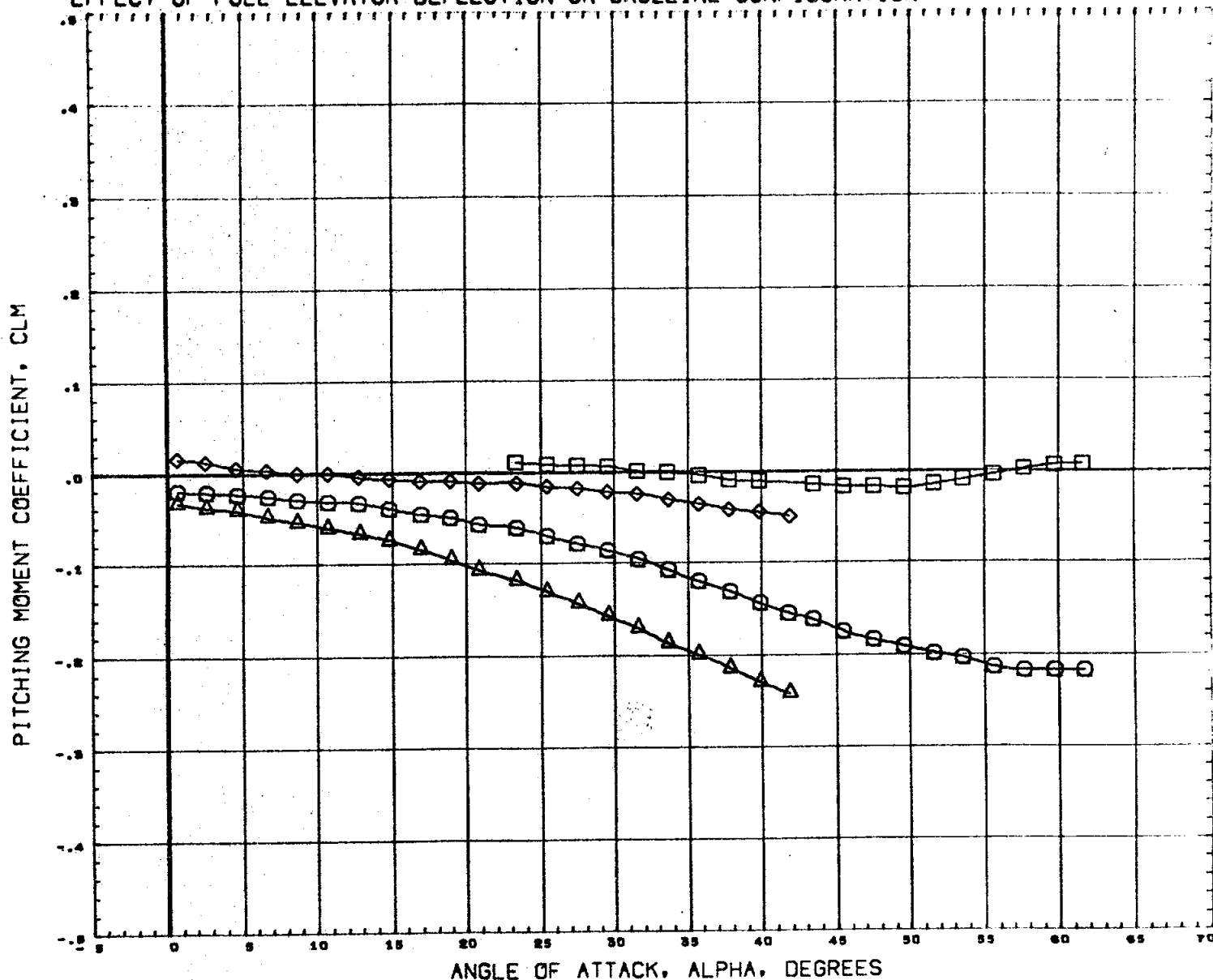


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76309)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	0.000	10.000	LREF	2.1020 IN.
(C76311)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	0.000	10.000	BREF	4.0300 IN.
(C76314)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-40.000	0.000	10.000	XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

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EFFECT OF FULL ELEVATOR DEFLECTION ON BASELINE CONFIGURATION



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C76305)	M555 (FAS) NAR ATP ORB (B1C1D1F1H1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76309)	M555 (FAS) NAR ATP ORB (B1C1D1F1H1) (W1E1) (V1K1R1)	0.000	10.000	0.000	10.000	LREF	2.1020 IN.
(C76311)	M555 (FAS) NAR ATP ORB (B1C1D1F1H1) (W1E1) (V1K1R1)	0.000	-20.000	0.000	10.000	BREF	4.0300 IN.
(C76314)	M555 (FAS) NAR ATP ORB (B1C1D1F1H1) (W1E1) (V1K1R1)	0.000	-40.000	0.000	10.000	XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

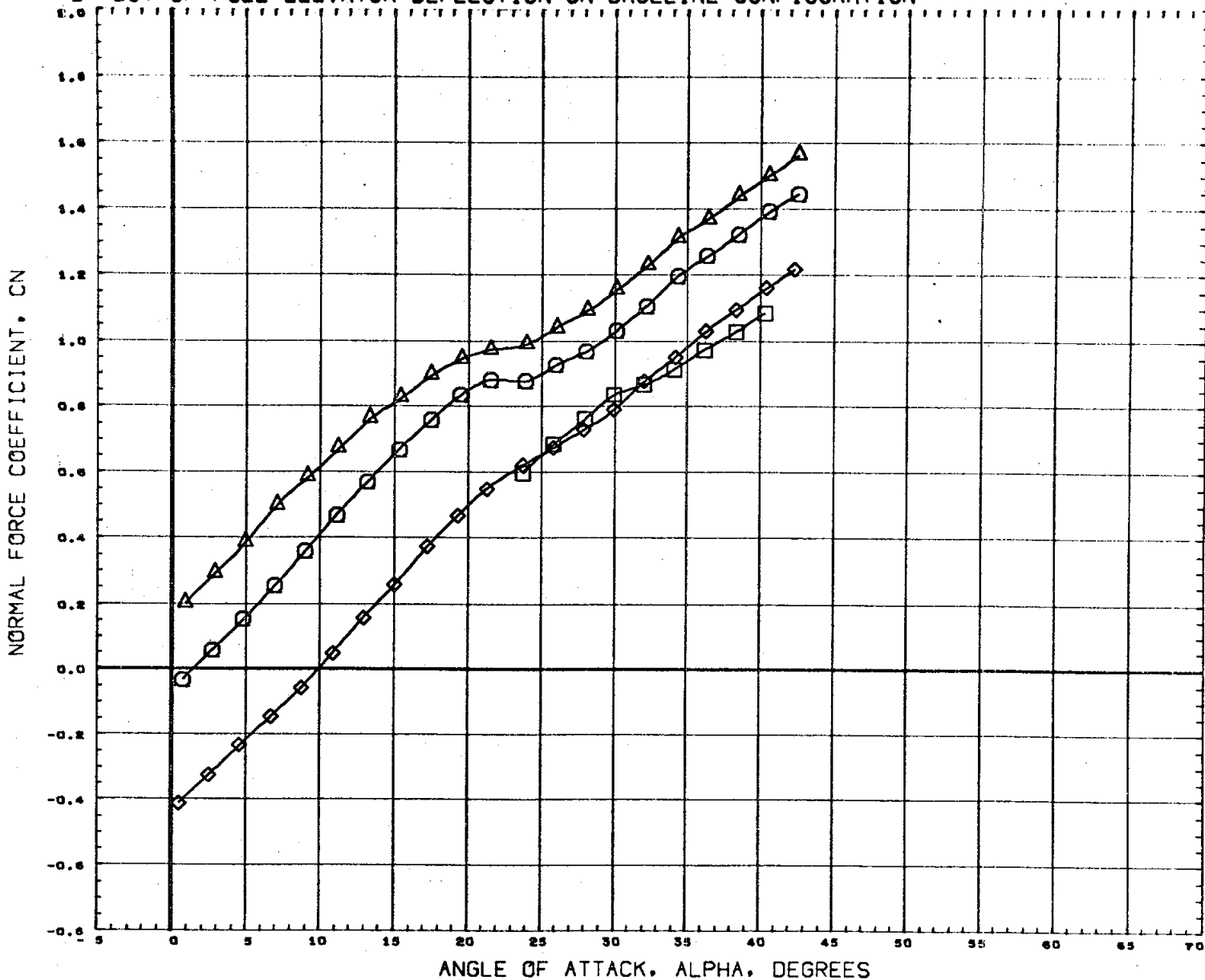
MACH

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EFFECT OF FULL ELEVATOR DEFLECTION ON BASELINE CONFIGURATION



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76509)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	0.000	10.000	LREF	2.1020 IN.
(C76511)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	0.000	10.000	BREF	4.0300 IN.
(C76514)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-40.000	0.000	10.000	XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

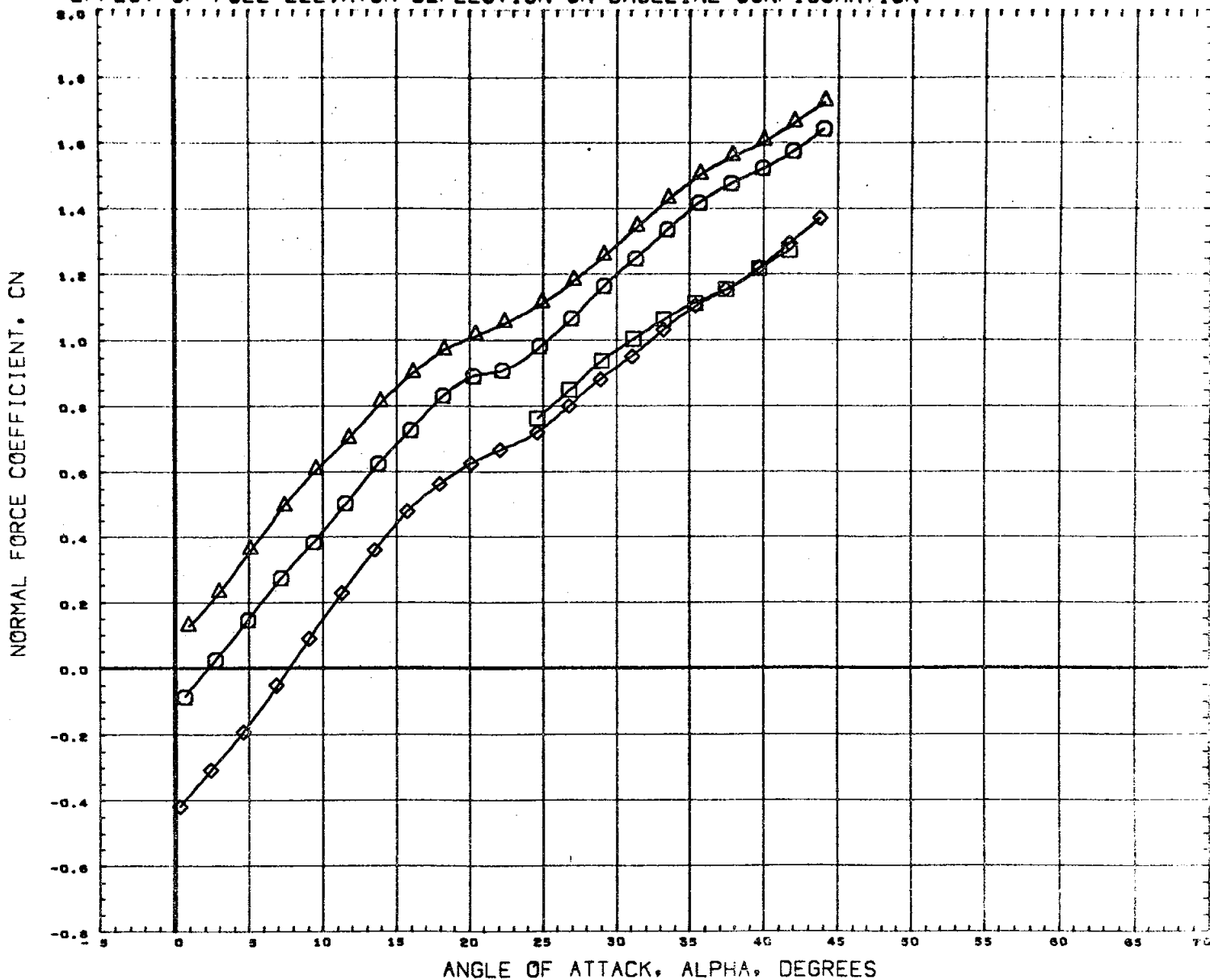
MACH

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EFFECT OF FULL ELEVATOR DEFLECTION ON BASELINE CONFIGURATION

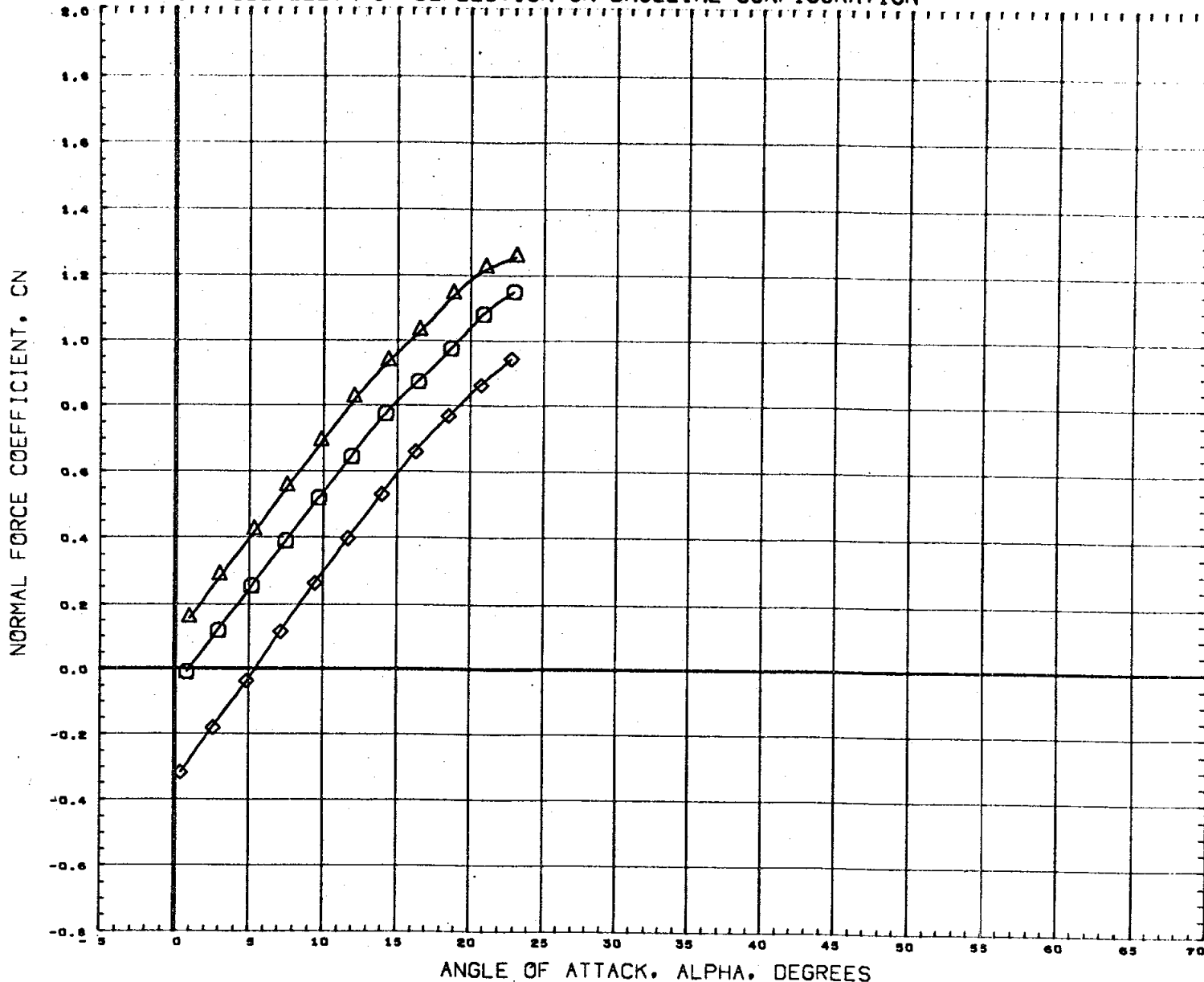


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION		
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(C76S09)	M555 (FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	0.000	10.000	LREF	2.1020	IN.
(C76S11)	M555 (FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	0.000	10.000	BREF	4.0300	IN.
(C76S14)	M555 (FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-40.000	0.000	10.000	XMRP	3.4530	IN.
						YMRP	0.0000	IN.
						ZMRP	0.0000	IN.
						SCALE	0.0040	

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EFFECT OF FULL ELEVATOR DEFLECTION ON BASELINE CONFIGURATION

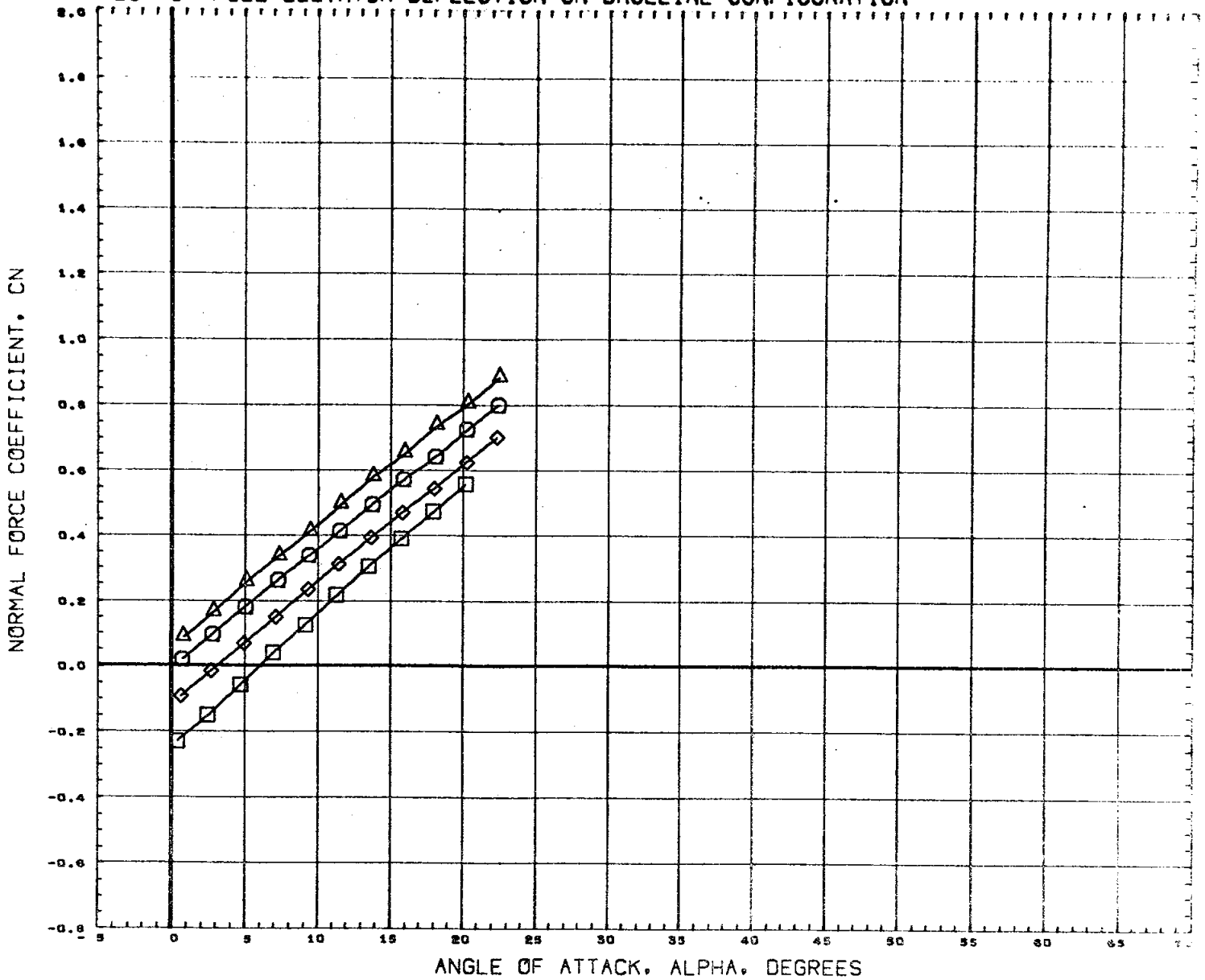


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C76305)	M555(FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 30. IN.
(C76309)	M555(FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	0.000	10.000	LREF	2.1020 IN.
(C76311)	M555(FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	0.000	10.000	BREF	4.0300 IN.
(C76314)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	-40.000	0.000	10.000	XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

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EFFECT OF FULL ELEVATOR DEFLECTION ON BASELINE CONFIGURATION

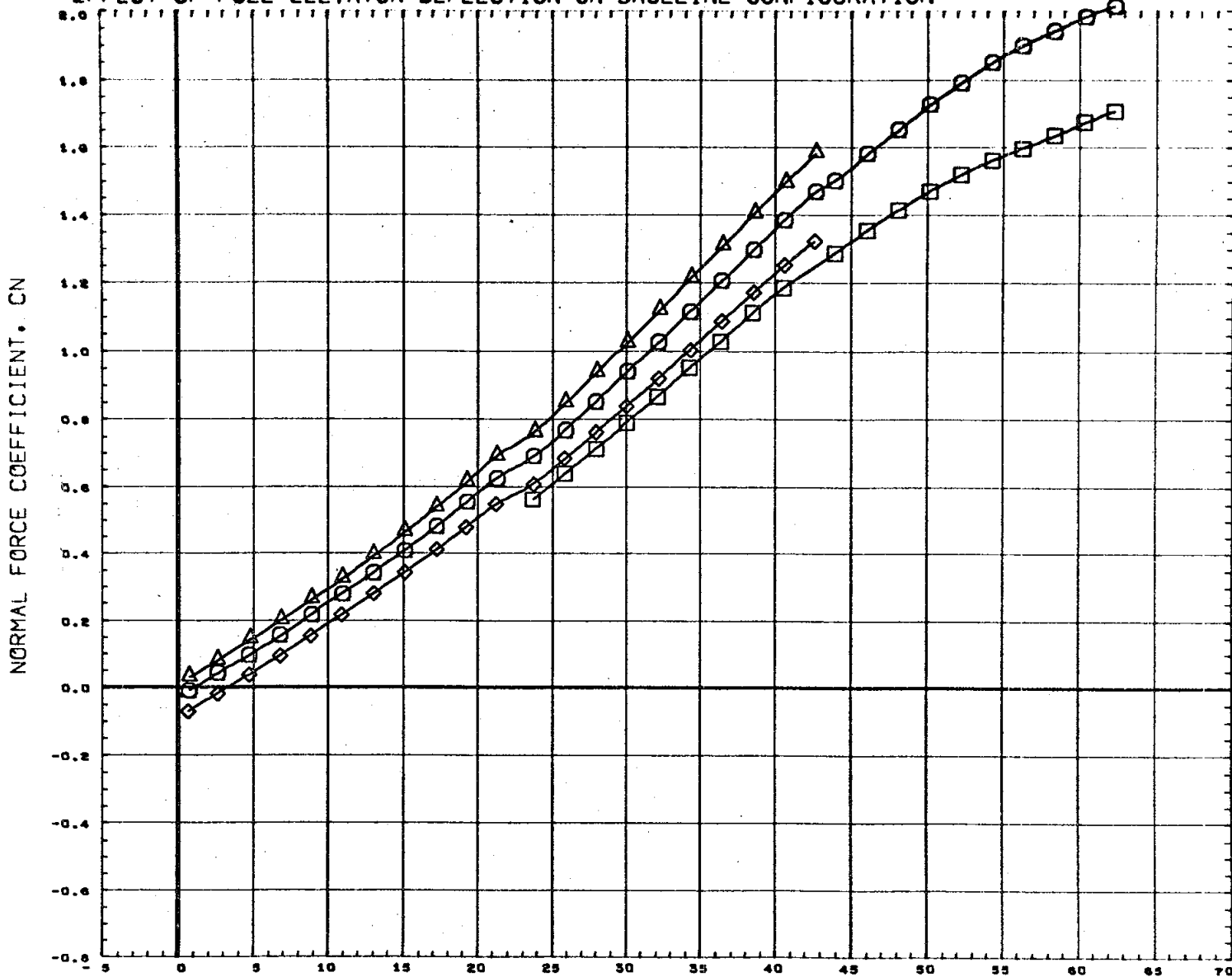


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION		
(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4150	50. IN.
(C76509)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	0.000	10.000	LREF	2.1020	IN.
(C76511)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	0.000	10.000	BREF	4.0300	IN.
(C76514)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-40.000	0.000	10.000	XMRP	3.4330	IN.
						YMRP	0.0000	IN.
						ZMRP	0.0000	IN.
						SCALE	0.0040	

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EFFECT OF FULL ELEVATOR DEFLECTION ON BASELINE CONFIGURATION

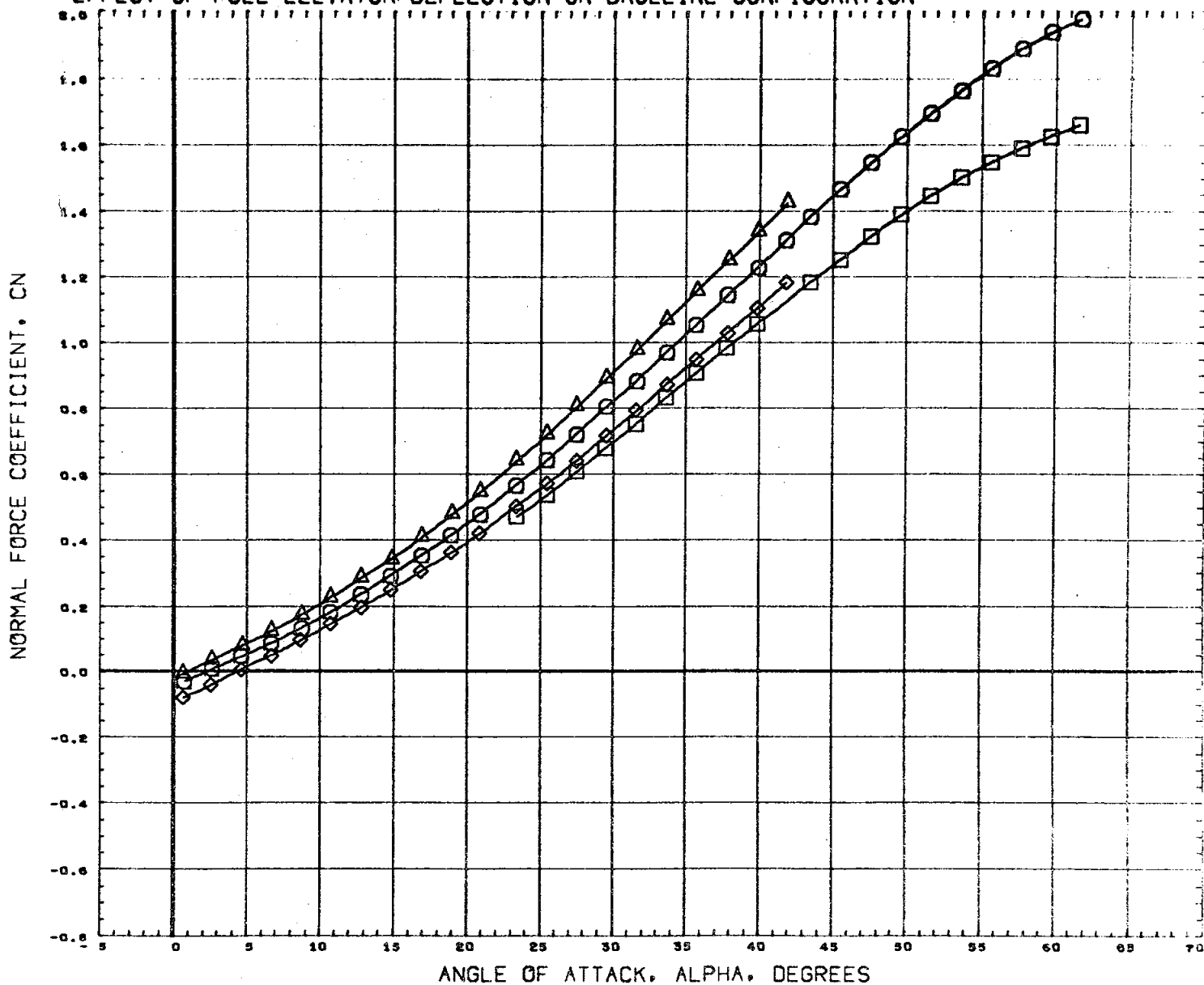


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C76308)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76309)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	0.000	10.000	LREF	2.1020 IN.
(C76311)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	0.000	10.000	BREF	4.0300 IN.
(C76314)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-40.000	0.000	10.000	XMRP	3.4330 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

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EFFECT OF FULL ELEVATOR DEFLECTION ON BASELINE CONFIGURATION

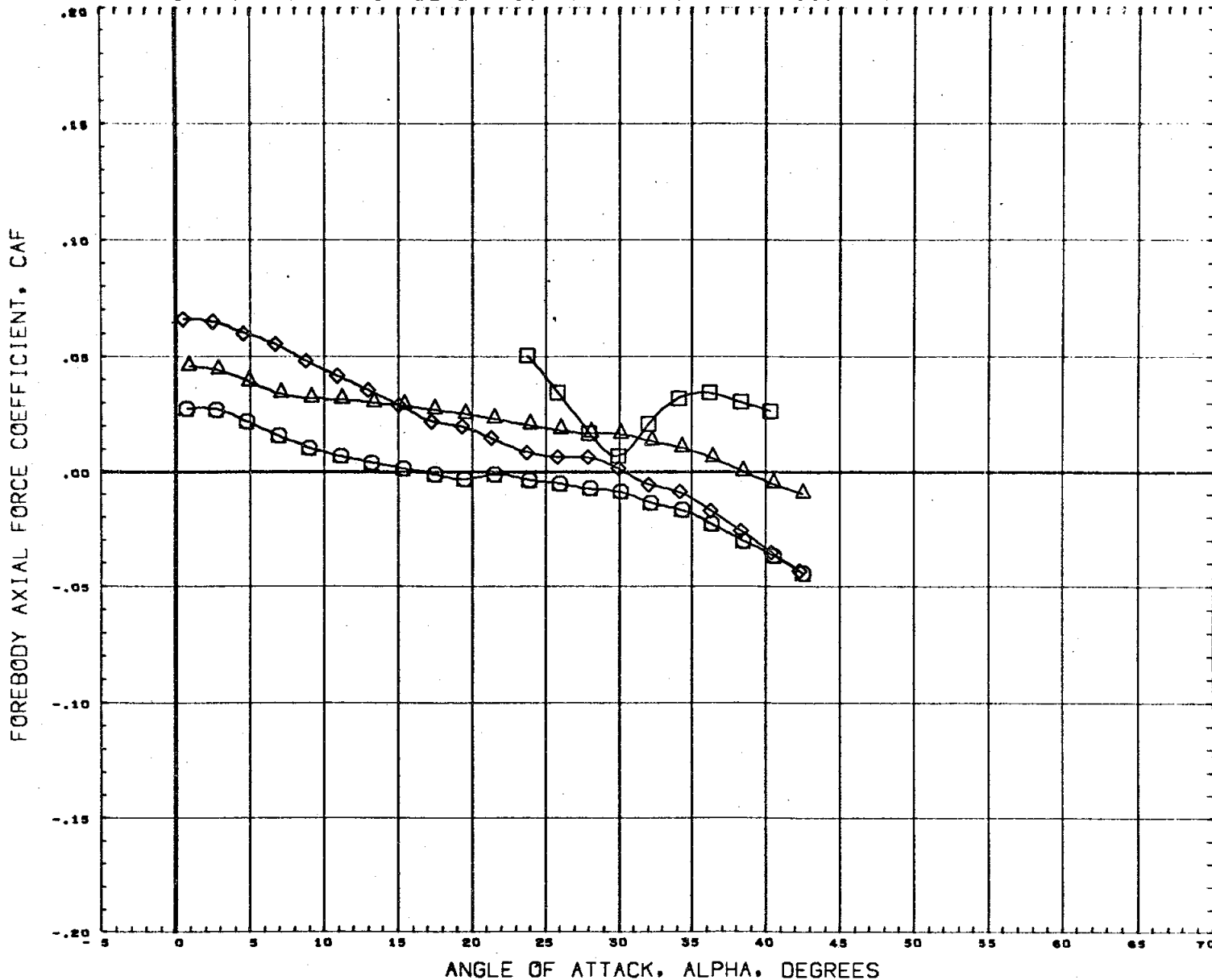


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C76308)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76309)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	LREF	2.1020 IN.
(C76311)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	0.000	10.000	BREF	4.0300 IN.
(C76314)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-40.000	0.000	10.000	XMRP	3.4550 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

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EFFECT OF FULL ELEVATOR DEFLECTION ON BASELINE CONFIGURATION

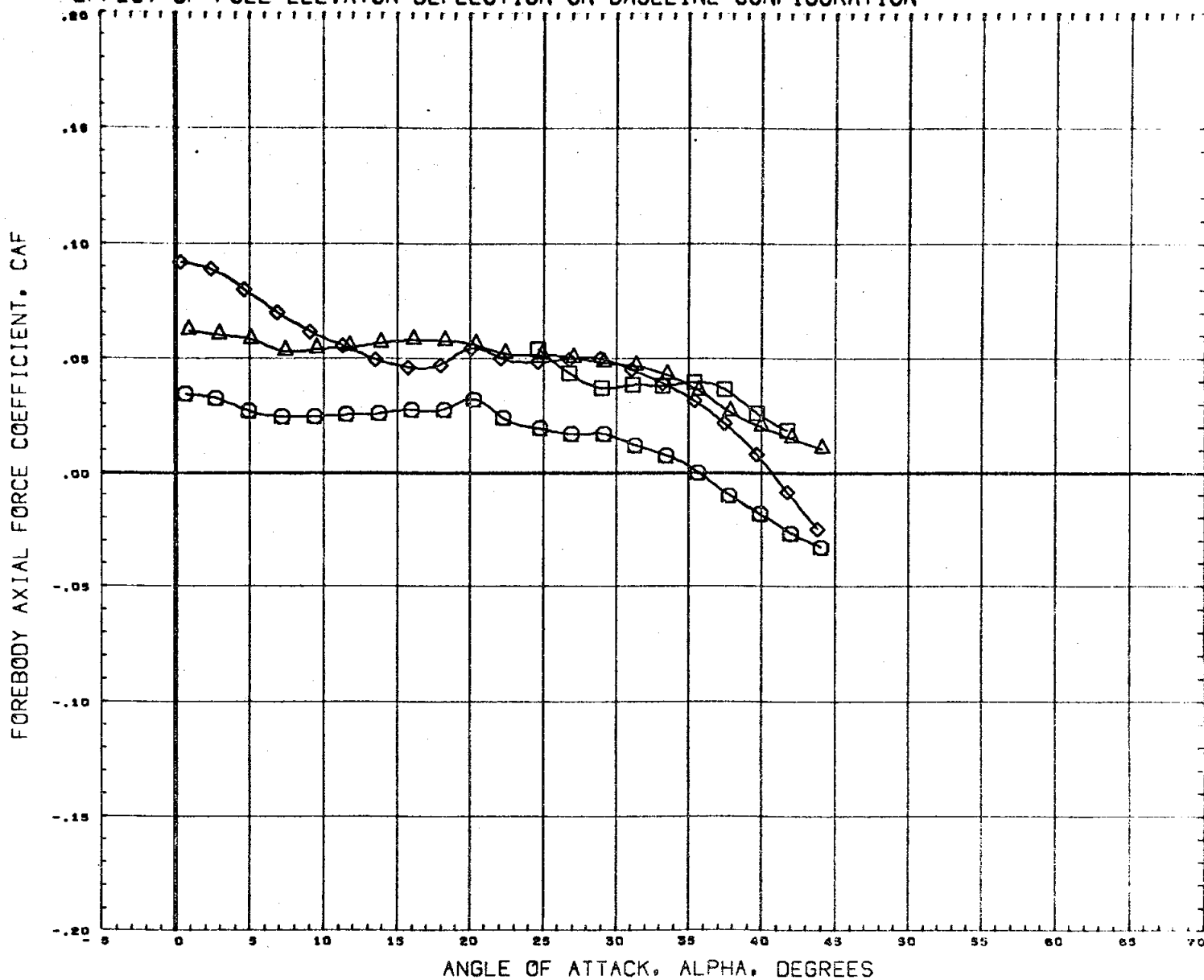


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76309)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	0.000	10.000	LREF	2.1020 IN.
(C76311)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	0.000	10.000	BREF	4.0300 IN.
(C76314)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-40.000	0.000	10.000	XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

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EFFECT OF FULL ELEVATOR DEFLECTION ON BASELINE CONFIGURATION



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R2)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76509)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R2)	0.000	10.000	0.000	10.000	LREF	2.1020 IN.
(C76511)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	0.000	10.000	BREF	4.0300 IN.
(C76514)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-40.000	0.000	10.000	XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

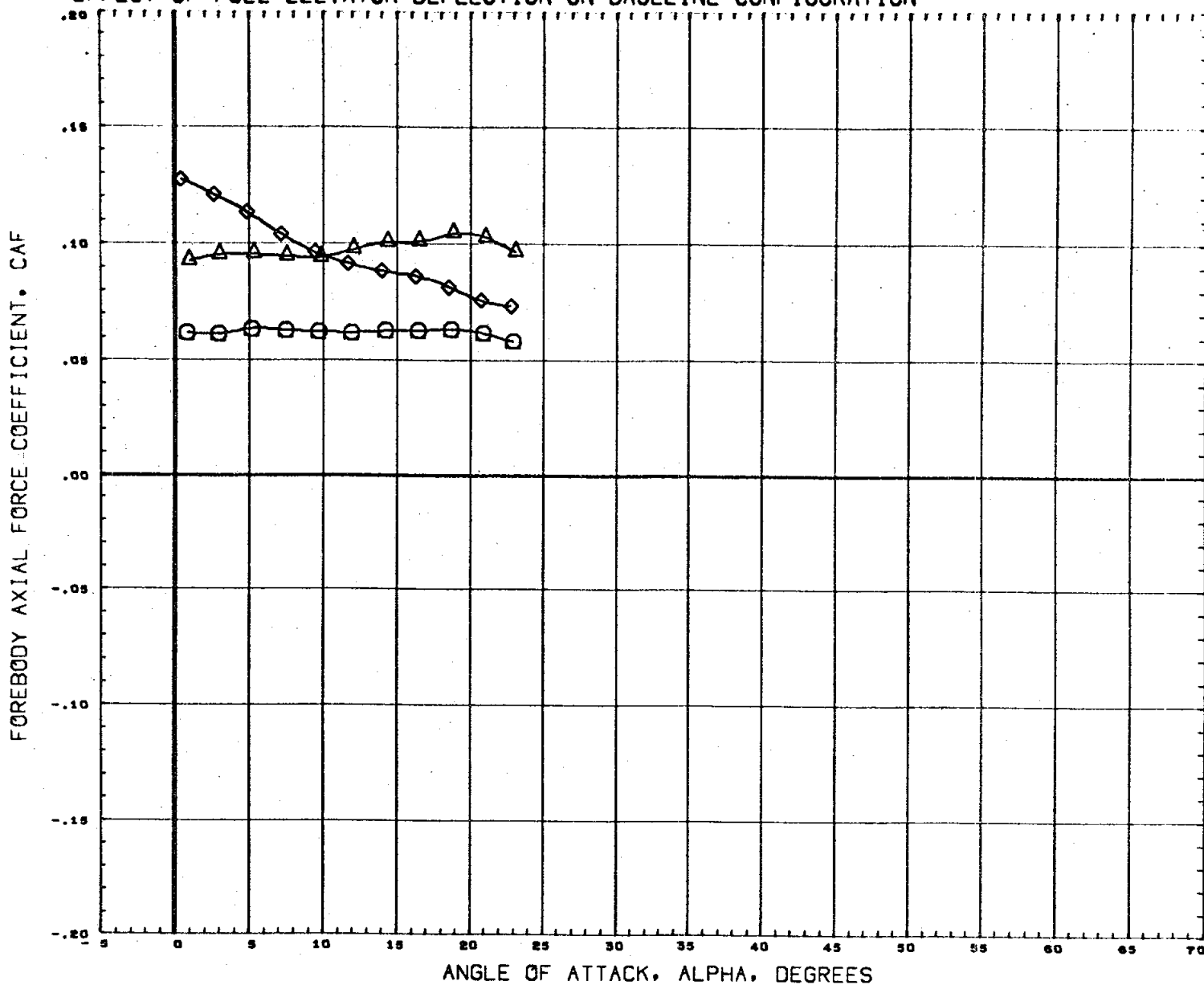
MACH

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EFFECT OF FULL ELEVATOR DEFLECTION ON BASELINE CONFIGURATION

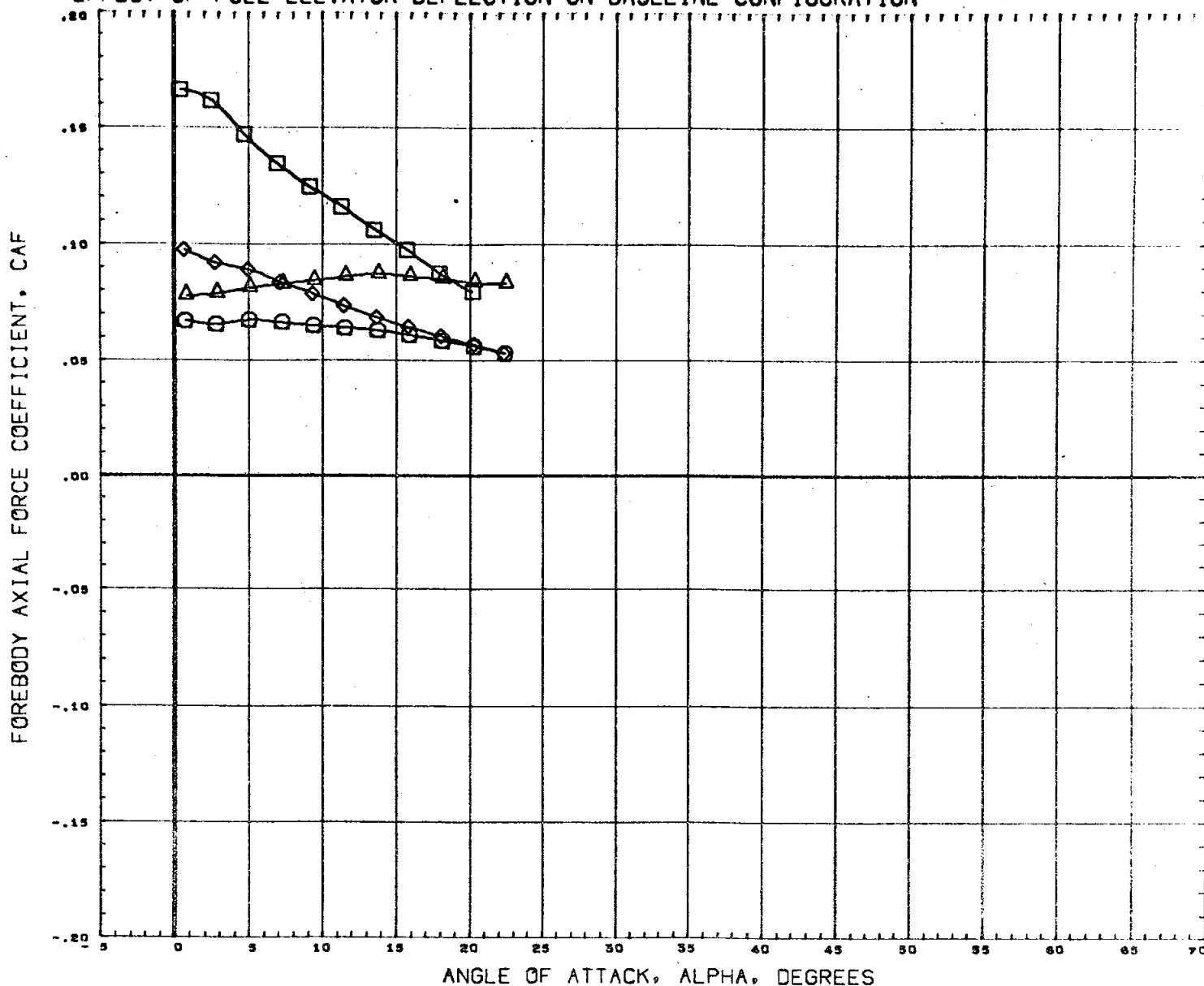


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C76303)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76509)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	0.000	10.000	LREF	2.1020 IN.
(C76511)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	0.000	10.000	BREF	4.0300 IN.
(C76514)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	-40.000	0.000	10.000	XMRP	3.4550 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 1.20

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EFFECT OF FULL ELEVATOR DEFLECTION ON BASELINE CONFIGURATION

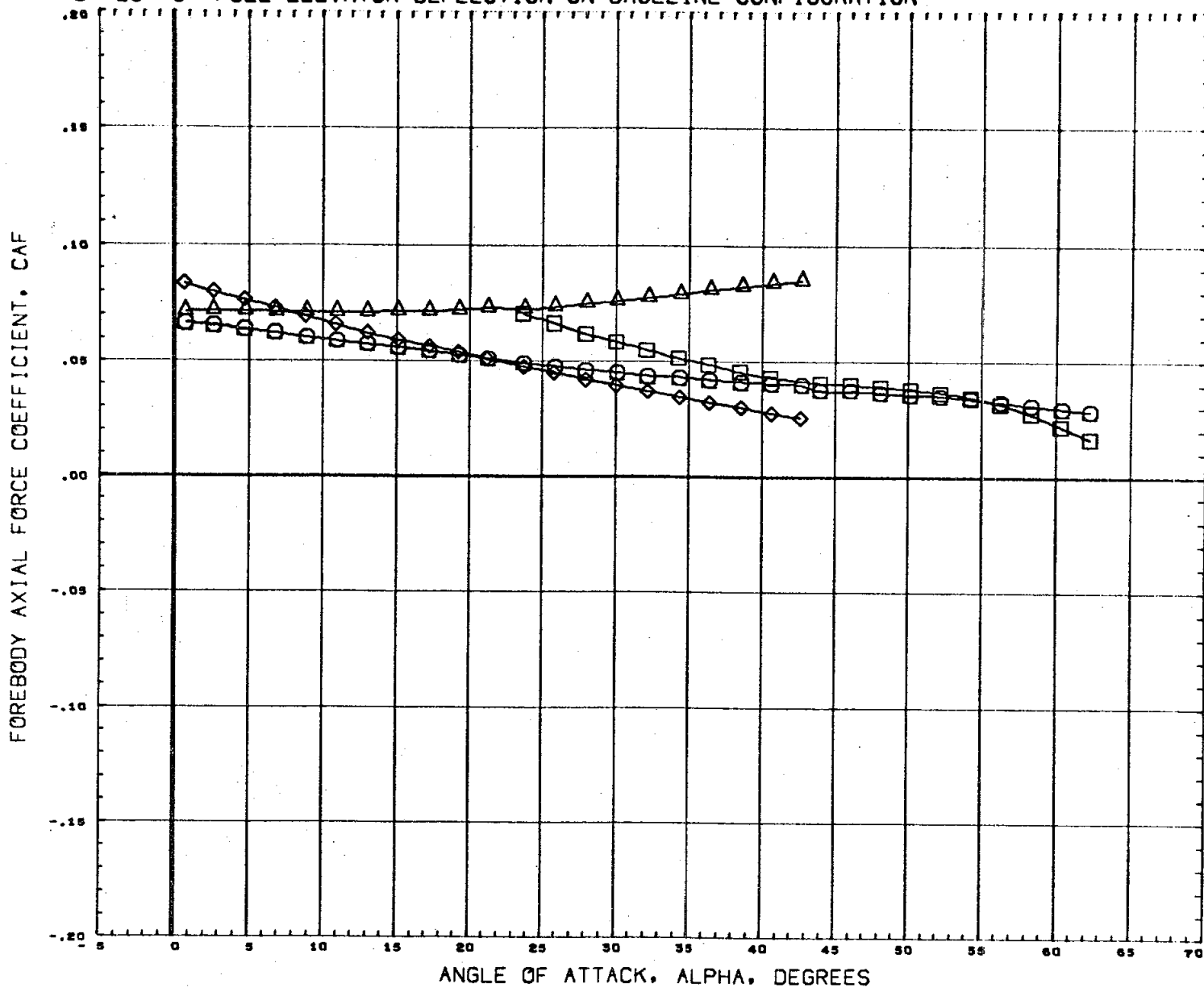


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION		
(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4195	50. IN.
(C76509)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	0.000	10.000	LREF	2.1020	IN.
(C76511)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	0.000	10.000	BREF	4.0300	IN.
(C76514)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-40.000	0.000	10.000	XMRP	3.4330	IN.
						YMRP	0.0000	IN.
						ZMRP	0.0000	IN.
						SCALE	0.0040	

MACH 1.97

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EFFECT OF FULL ELEVATOR DEFLECTION ON BASELINE CONFIGURATION

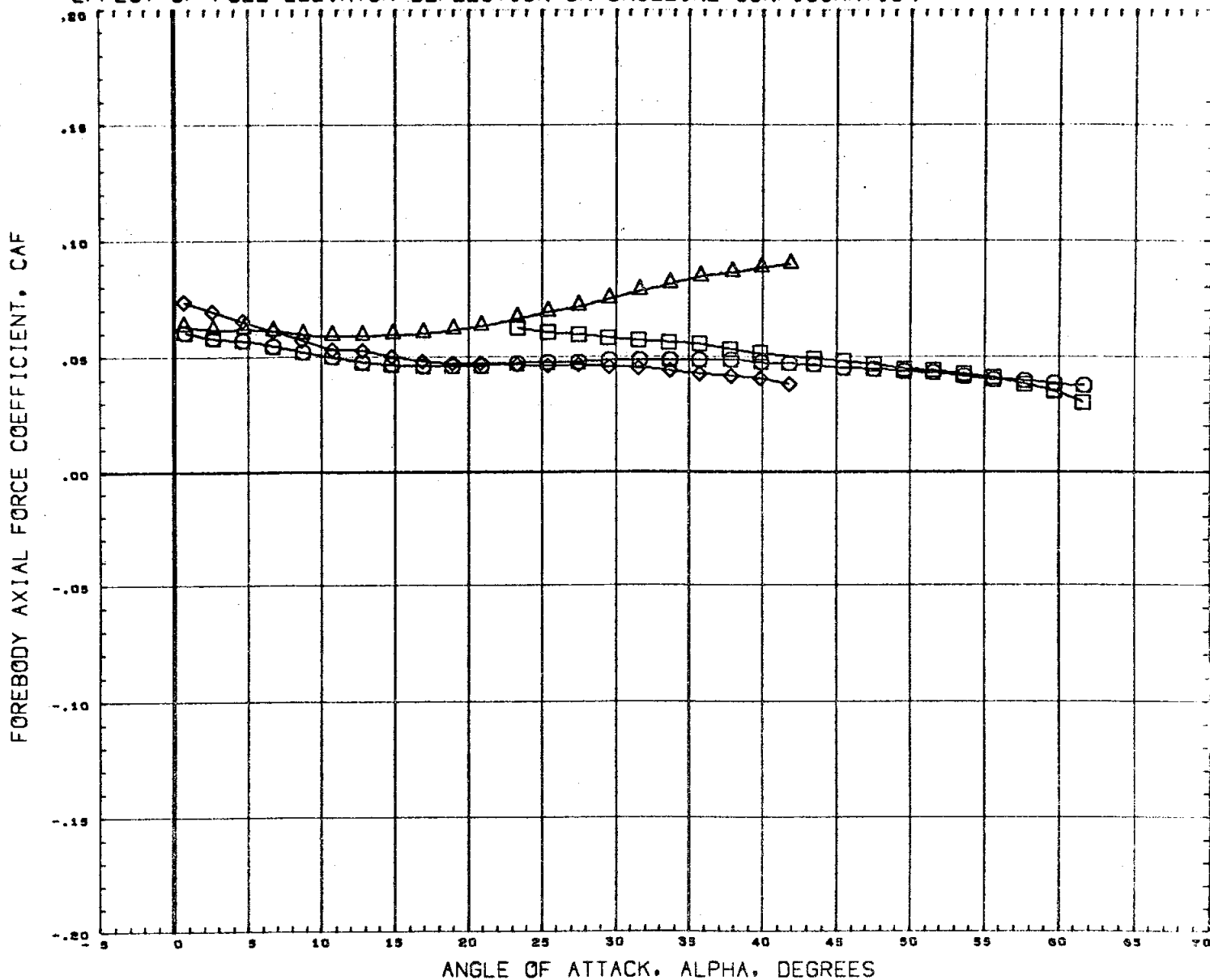


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C76308)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ.IN.
(C76309)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	0.000	10.000	LREF	2.1020 IN.
(C76311)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	0.000	10.000	BREF	4.0300 IN.
(C76314)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-40.000	0.000	10.000	XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 2.99

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EFFECT OF FULL ELEVATOR DEFLECTION ON BASELINE CONFIGURATION

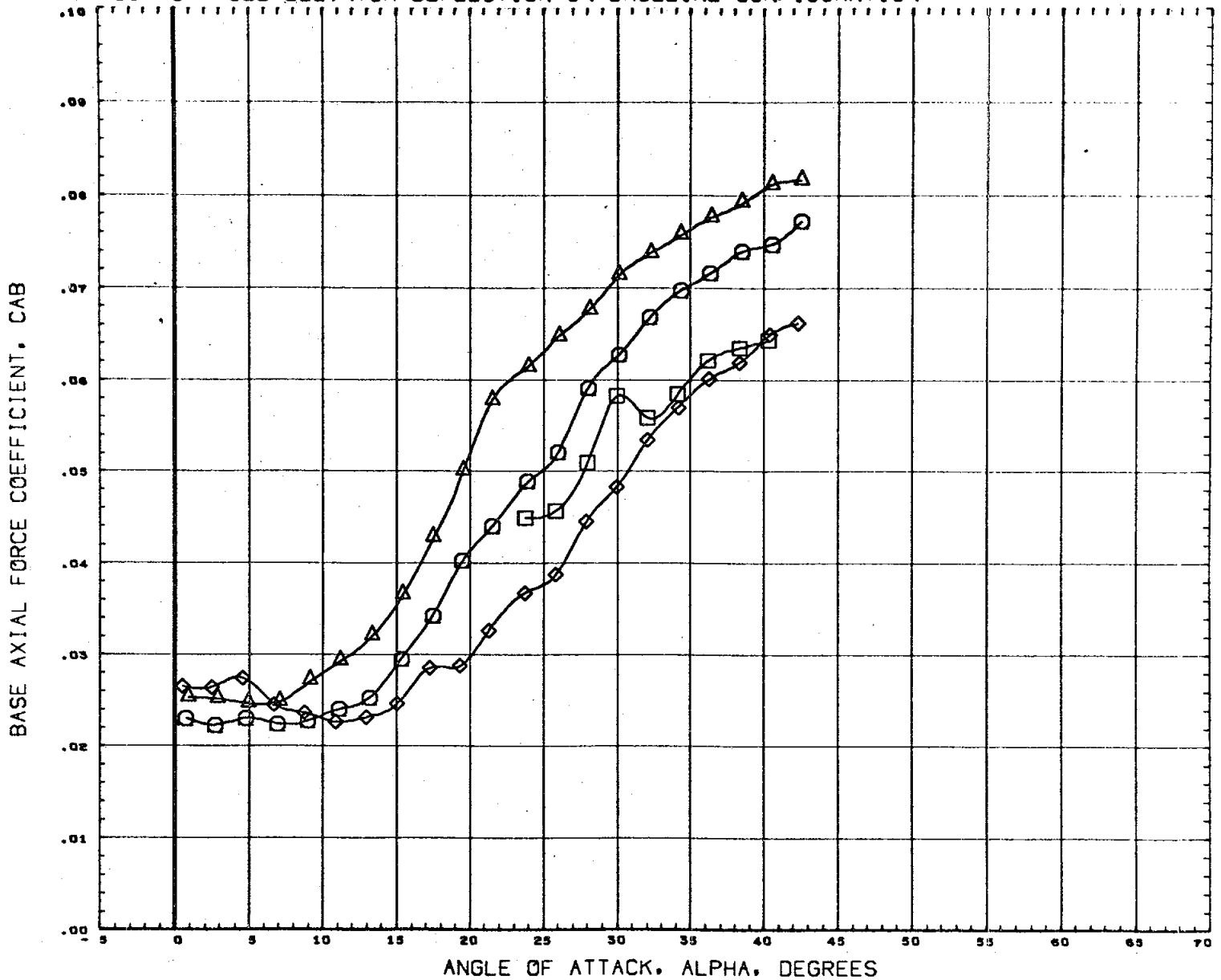


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C76308)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76309)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	0.000	10.000	LREF	2.1020 IN.
(C76311)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	0.000	10.000	BREF	4.0300 IN.
(C76314)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-40.000	0.000	10.000	XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 4.96

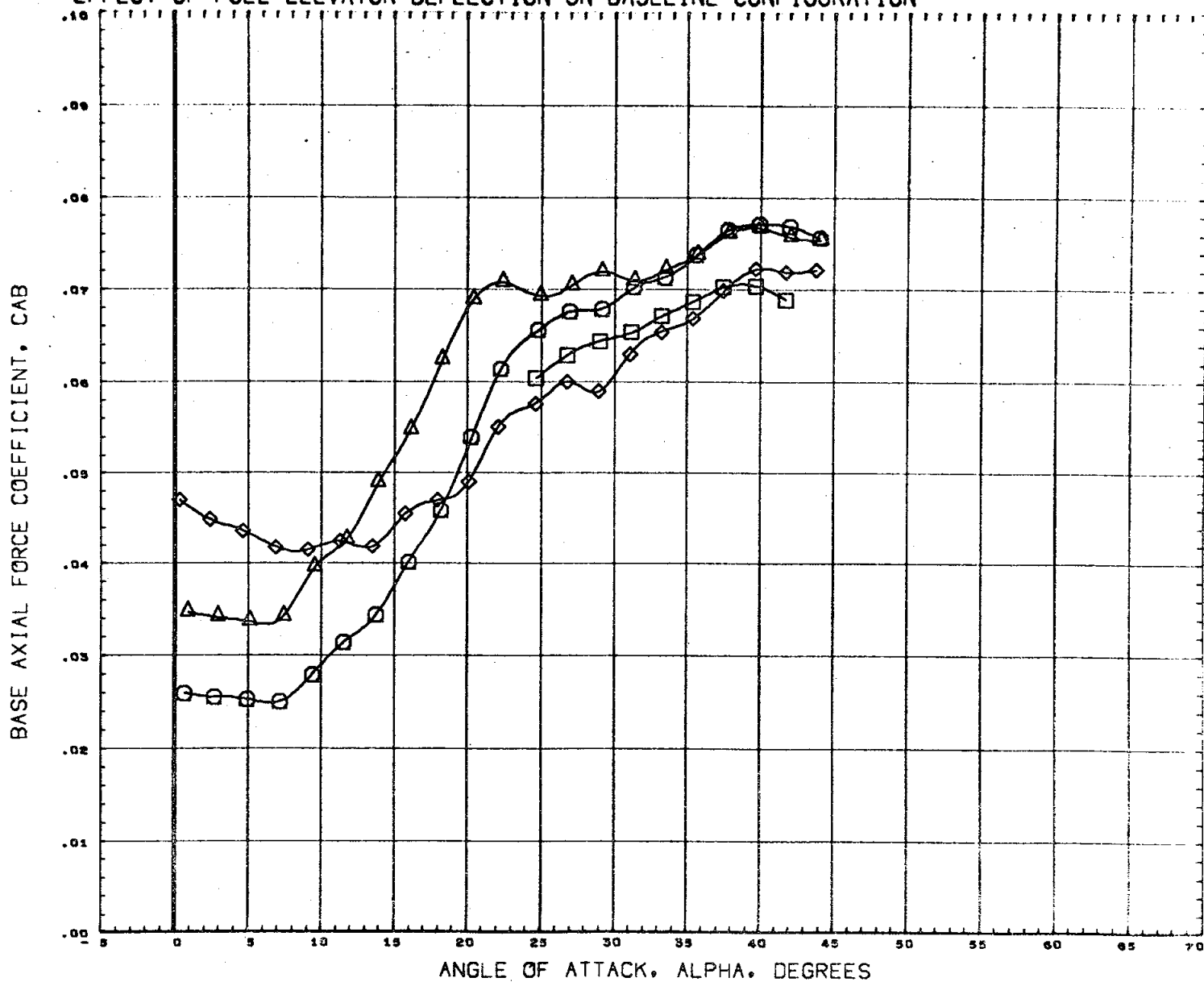
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EFFECT OF FULL ELEVATOR DEFLECTION ON BASELINE CONFIGURATION



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C7630S)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C7680S)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	0.000	10.000	LREF	2.1020 IN.
(C76811)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	0.000	10.000	BREF	4.0300 IN.
(C76814)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-40.000	0.000	10.000	XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

EFFECT OF FULL ELEVATOR DEFLECTION ON BASELINE CONFIGURATION

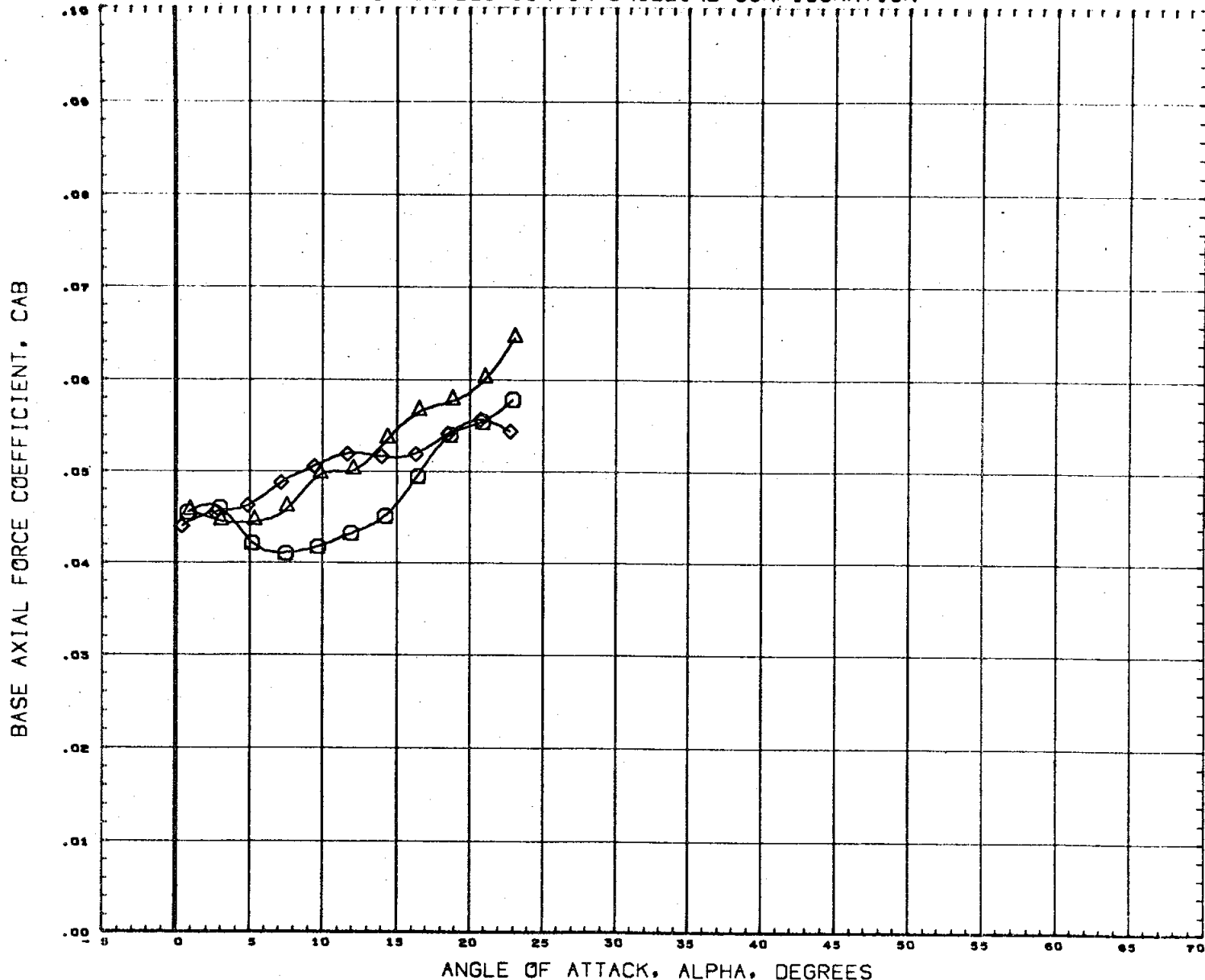


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V2K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 IN.
(C76309)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	0.000	10.000	LREF	2.1020 IN.
(C76311)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	0.000	10.000	BREF	4.0300 IN.
(C76314)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-40.000	0.000	10.000	XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH .90

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EFFECT OF FULL ELEVATOR DEFLECTION ON BASELINE CONFIGURATION

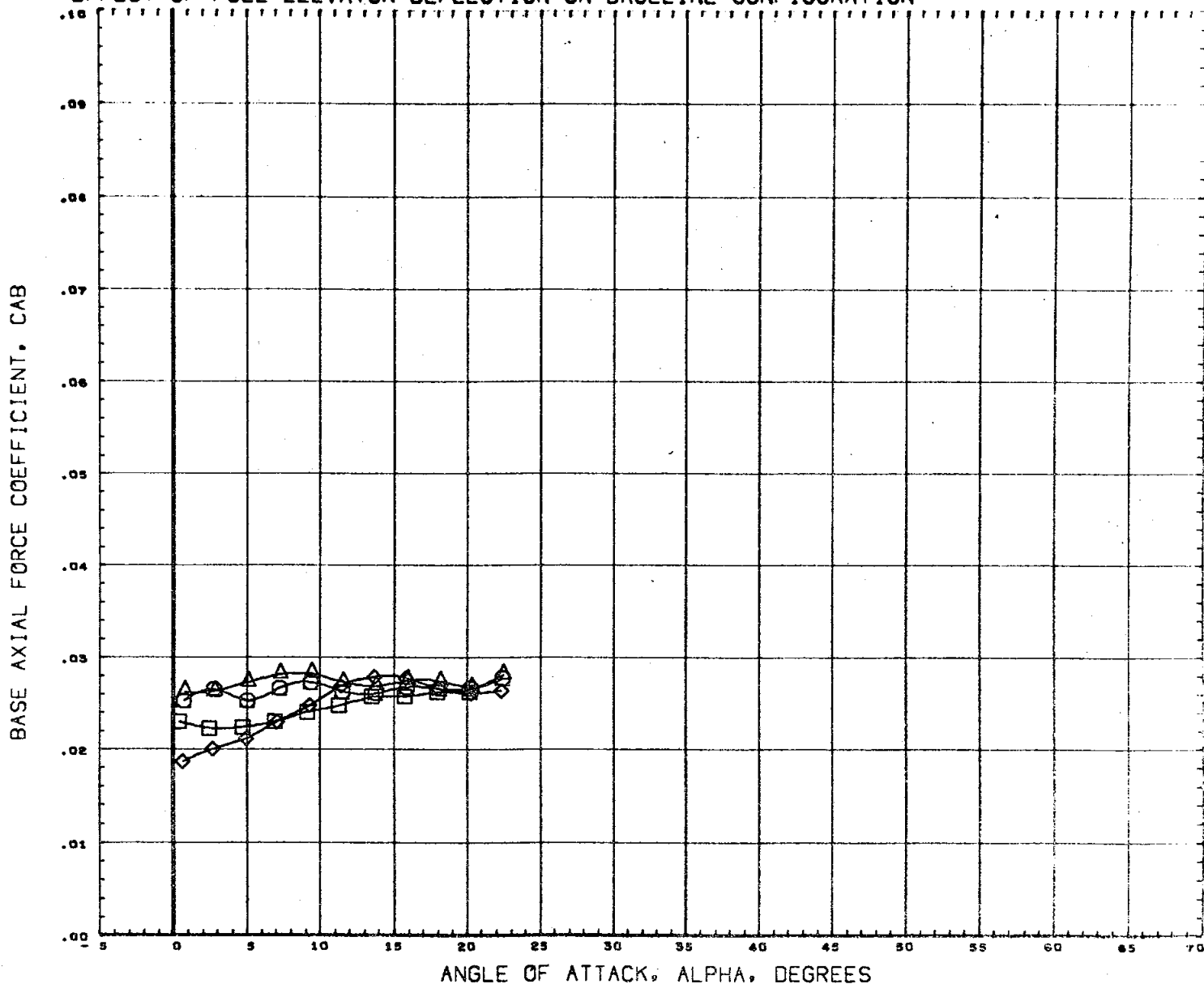


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C76308)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76309)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	0.000	10.000	LREF	2.1020 IN.
(C76311)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	0.000	10.000	BREF	4.0300 IN.
(C76314)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	-40.000	0.000	10.000	XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 1.20

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EFFECT OF FULL ELEVATOR DEFLECTION ON BASELINE CONFIGURATION

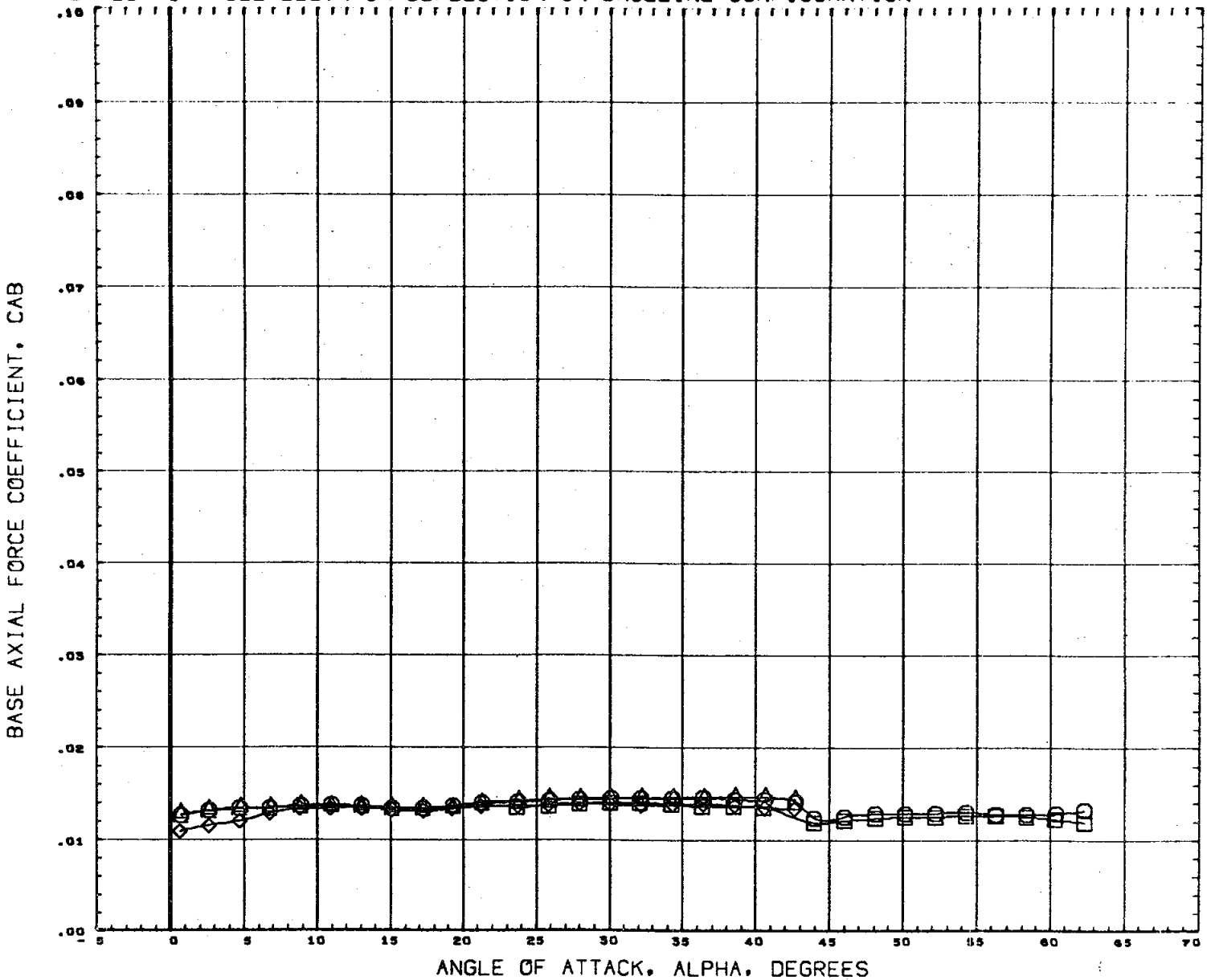


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76309)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	0.000	10.000	LREF	2.1020 IN.
(C76511)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	0.000	10.000	BREF	4.0300 IN.
(C76514)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-40.000	0.000	10.000	XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 1.97

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EFFECT OF FULL ELEVATOR DEFLECTION ON BASELINE CONFIGURATION

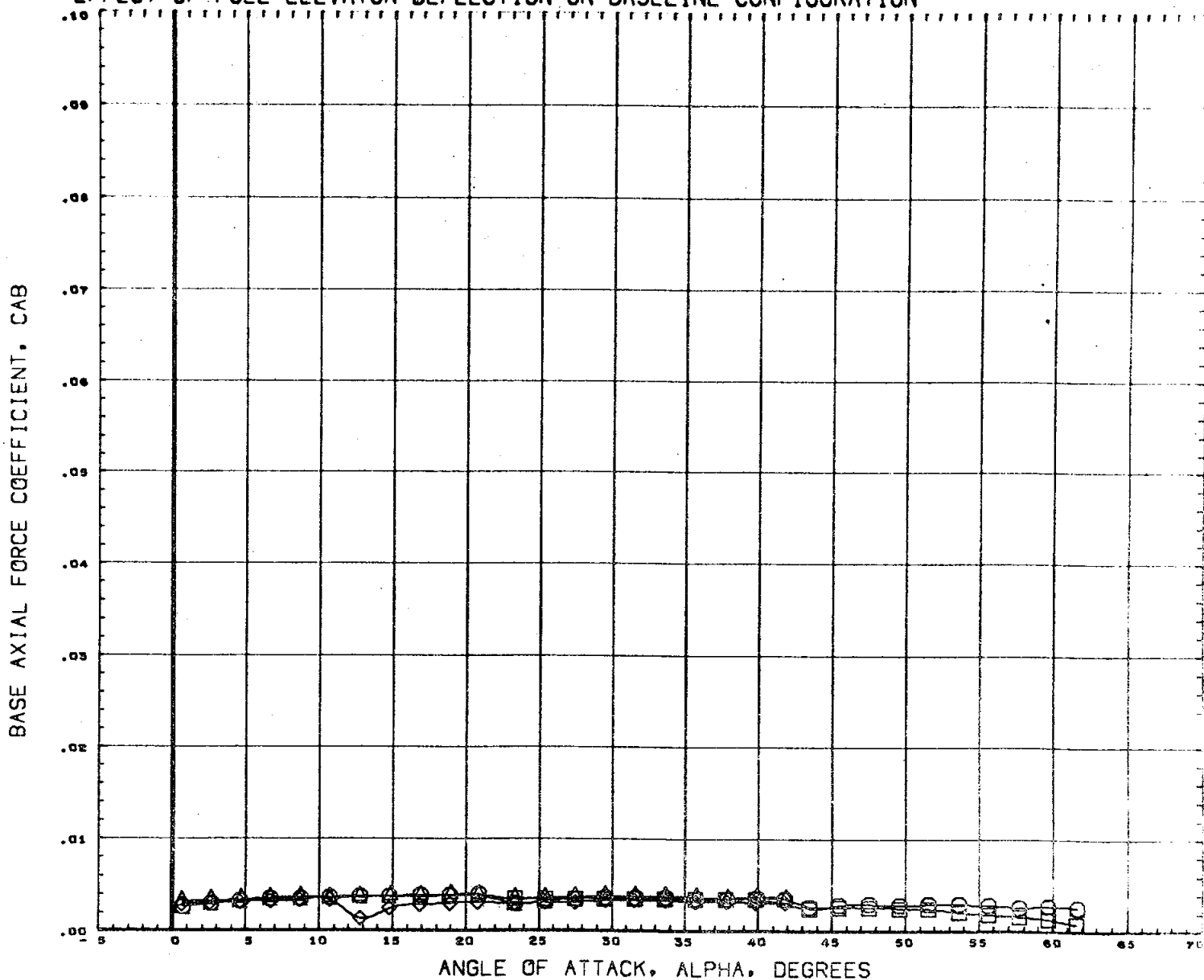


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76509)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	0.000	10.000	LREF	2.1020 IN.
(C76511)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	0.000	10.000	BREF	4.0300 IN.
(C76514)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-40.000	0.000	10.000	XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 2.99

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EFFECT OF FULL ELEVATOR DEFLECTION ON BASELINE CONFIGURATION

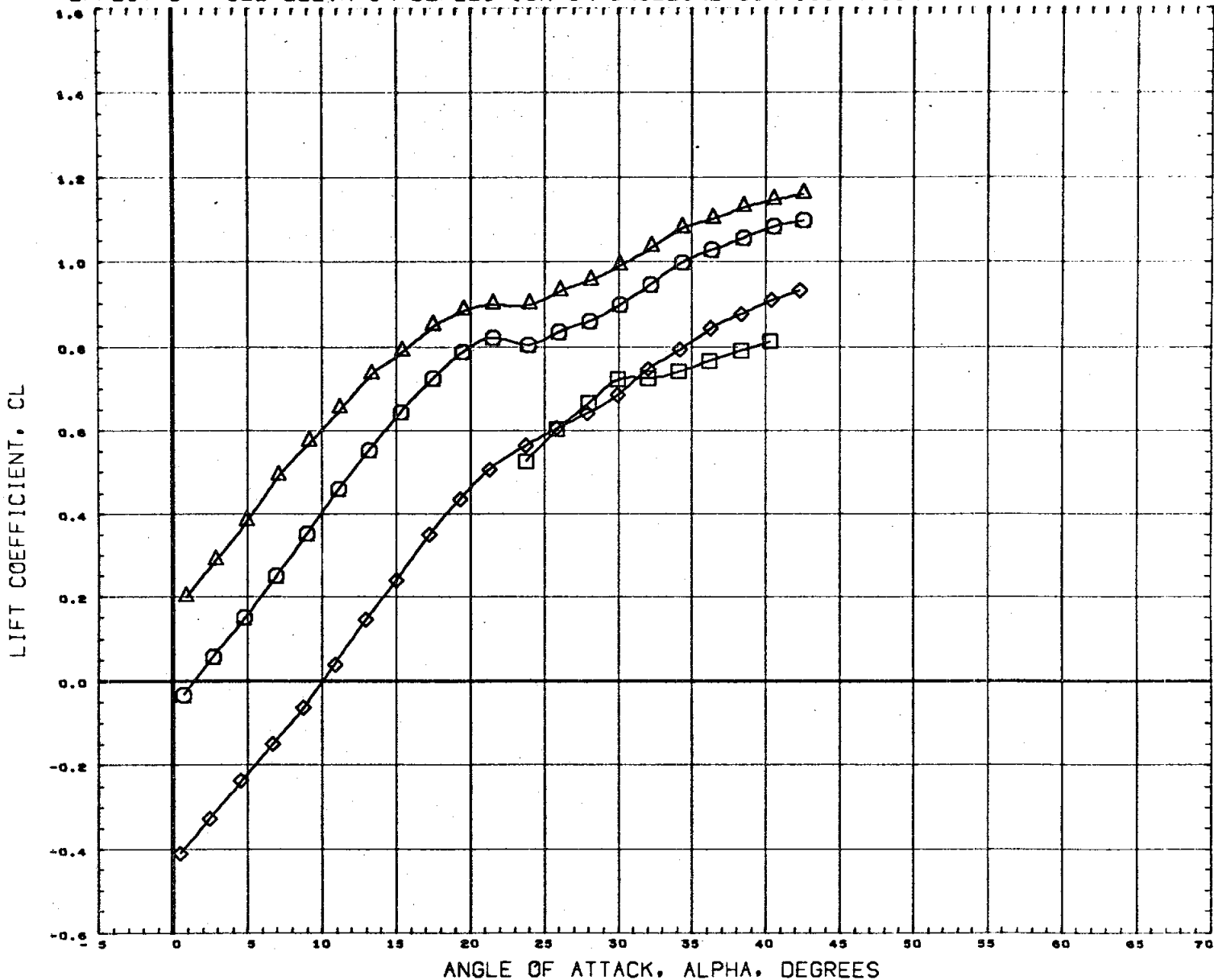


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION		
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190	sq. in.
(C76309)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	0.000	10.000	LREF	2.1020	in.
(C76311)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	0.000	10.000	BREF	4.0300	in.
(C76314)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-40.000	0.000	10.000	XMRP	3.4530	in.
						YMRP	0.0000	in.
						ZMRP	0.0000	in.
						SCALE	0.0040	

MACH 4.96

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EFFECT OF FULL ELEVATOR DEFLECTION ON BASELINE CONFIGURATION

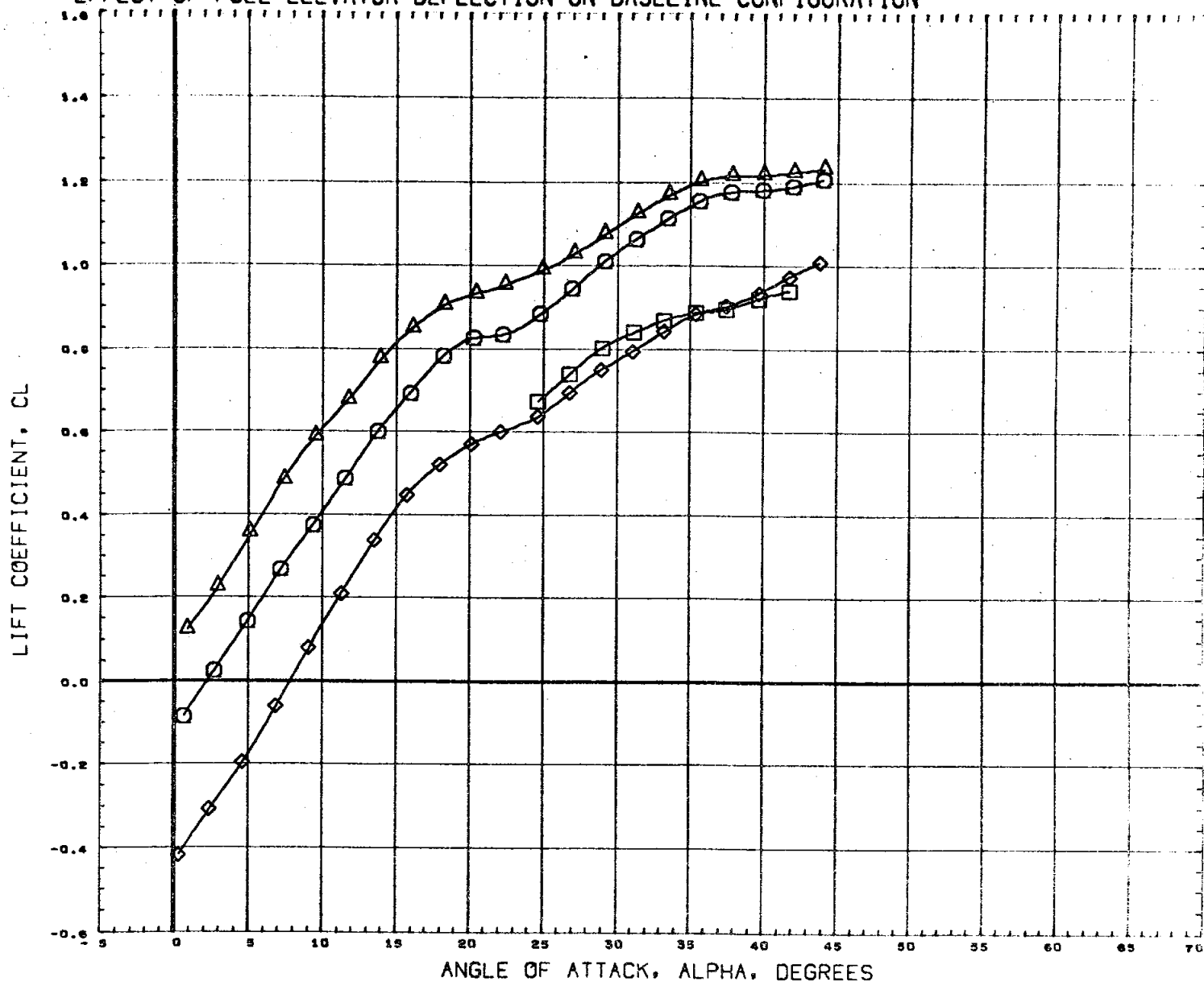


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION		
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4198	SQ. IN.
(C76309)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	0.000	10.000	LREF	2.1020	IN.
(C76311)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	0.000	10.000	BREF	4.0300	IN.
(C76314)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-40.000	0.000	10.000	XMRP	3.4530	IN.
						YMRP	0.0000	IN.
						ZMRP	0.0000	IN.
						SCALE	0.0040	

MACH .59

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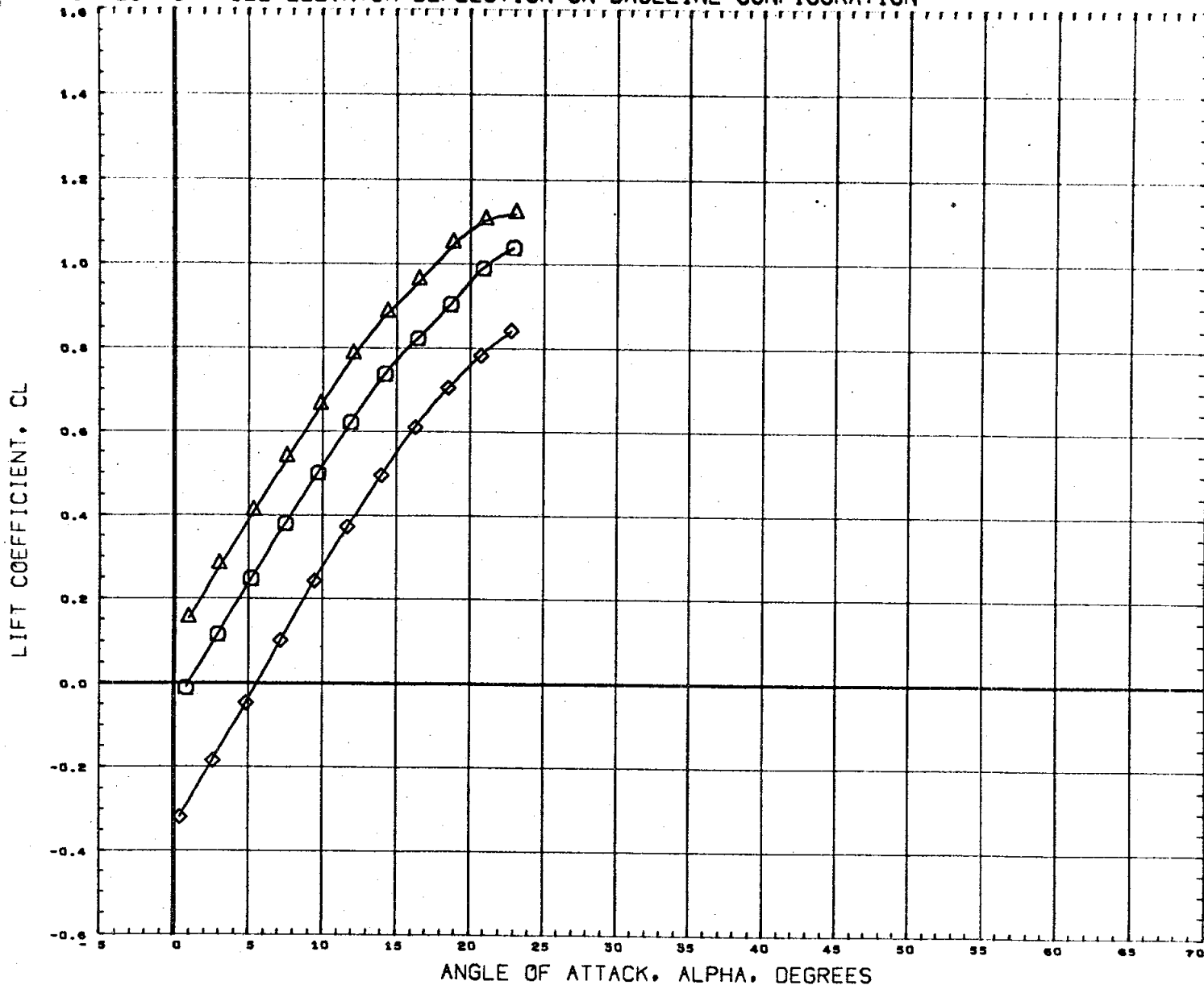
EFFECT OF FULL ELEVATOR DEFLECTION ON BASELINE CONFIGURATION



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C76S08)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 32 IN.
(C76S09)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	0.000	10.000	LREF	2.1020 IN.
(C76S11)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	0.000	10.000	BREF	4.0300 IN.
(C76S14)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-40.000	0.000	10.000	XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH .90

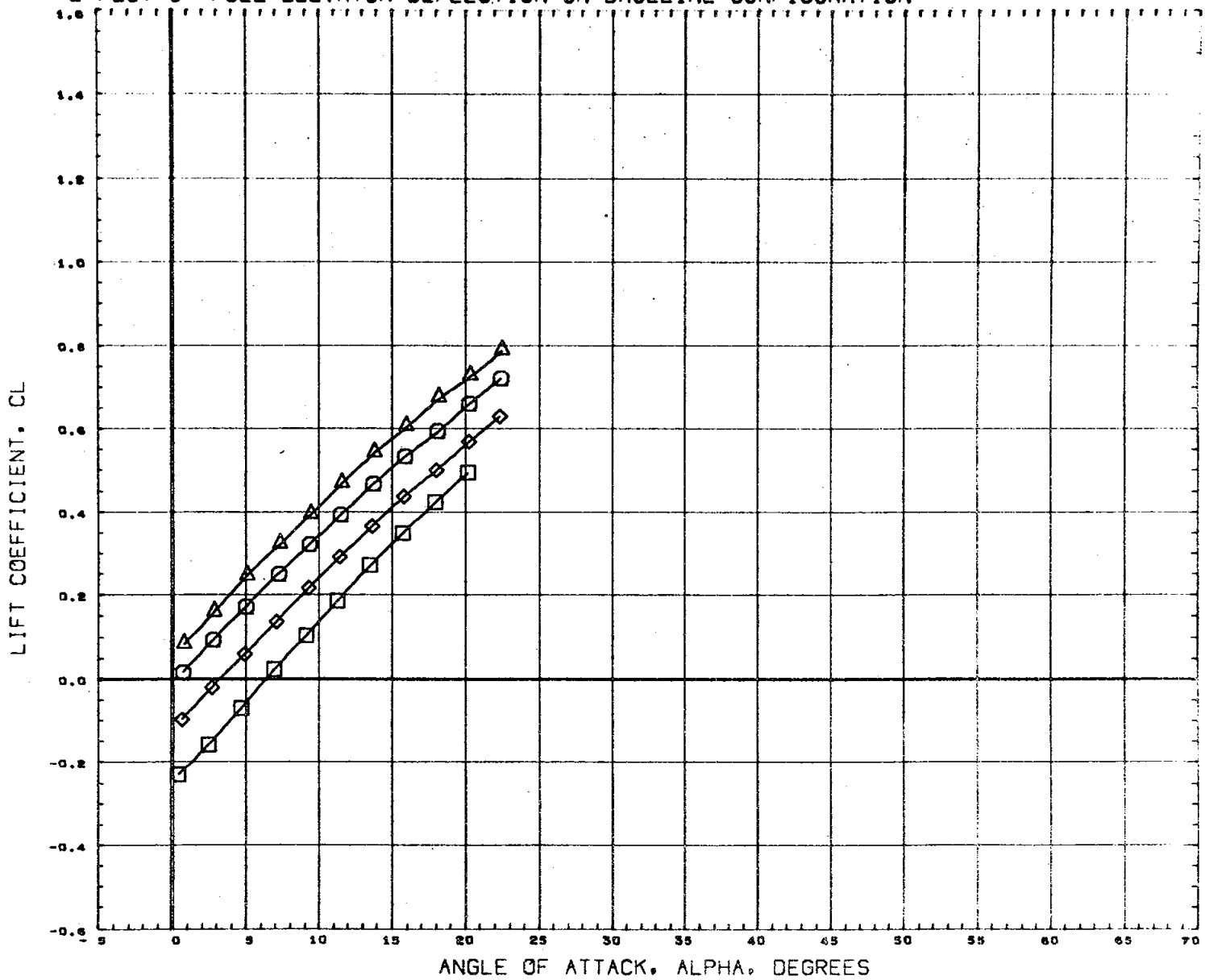
EFFECT OF FULL ELEVATOR DEFLECTION ON BASELINE CONFIGURATION



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 30. IN.
(C76509)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	0.000	10.000	LREF	2.1020 IN.
(C76511)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	0.000	10.000	BREF	4.0300 IN.
(C76514)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	-40.000	0.000	10.000	XMRF	3.4330 IN.
						YMRF	0.0000 IN.
						ZMRF	0.0000 IN.
						SCALE	0.0040

MACH 1.20

EFFECT OF FULL ELEVATOR DEFLECTION ON BASELINE CONFIGURATION

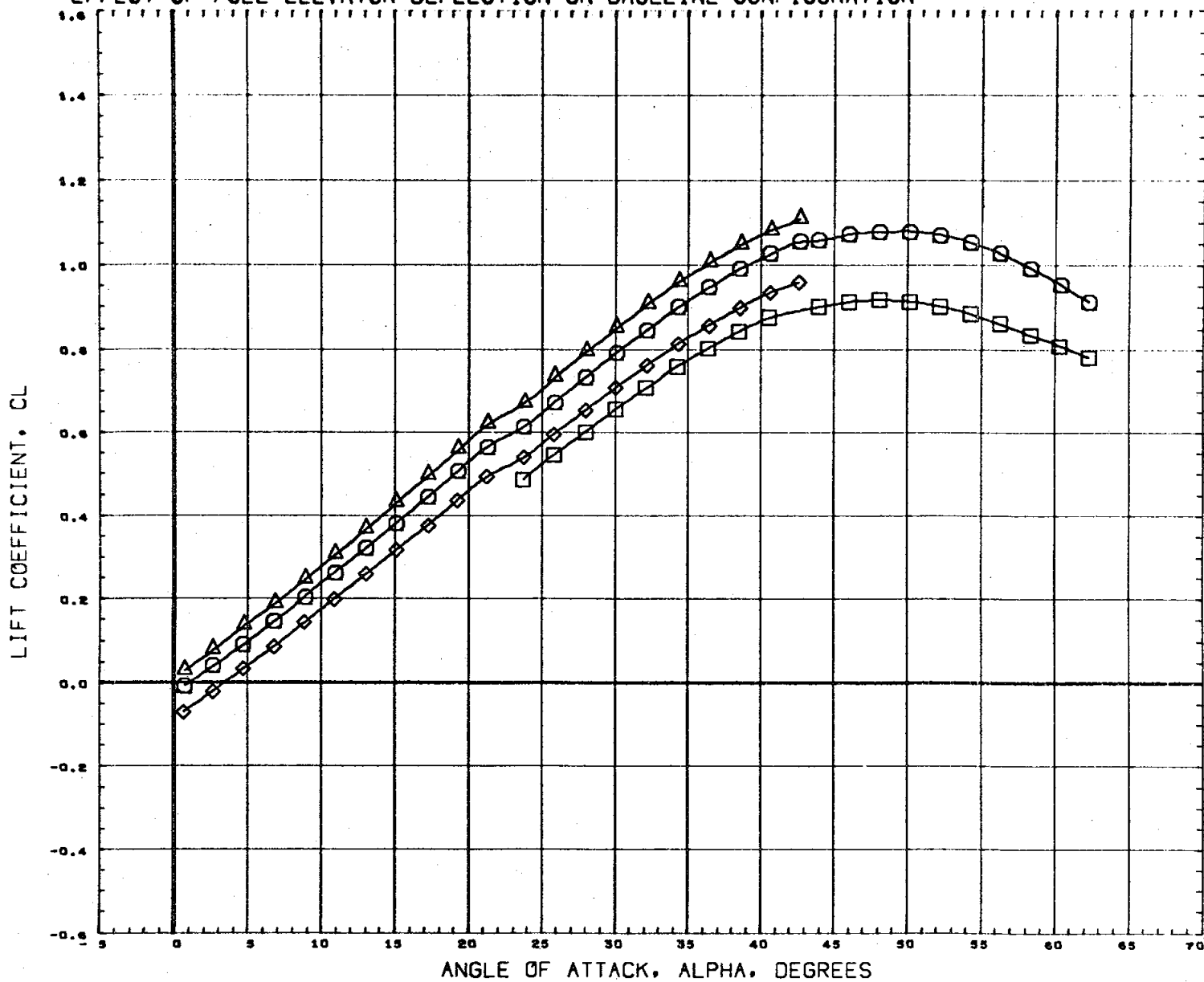


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76309)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	0.000	10.000	LREF	2.1020 IN.
(C76311)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	0.000	10.000	BREF	4.0300 IN.
(C76314)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-40.000	0.000	10.000	XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 1.97

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EFFECT OF FULL ELEVATOR DEFLECTION ON BASELINE CONFIGURATION

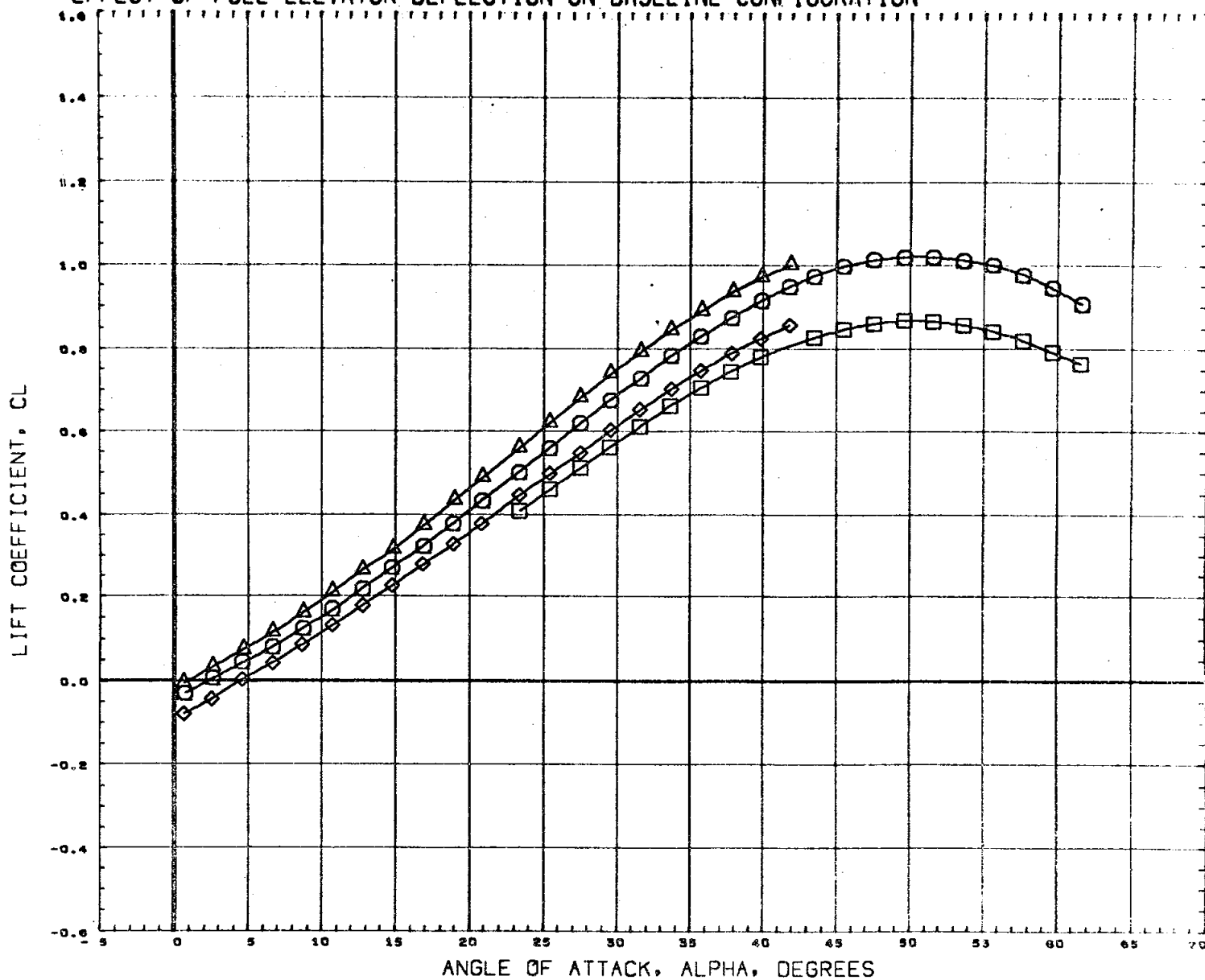


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C76303)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76309)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	0.000	10.000	LREF	2.1020 IN.
(C76311)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	0.000	10.000	BREF	4.0300 IN.
(C76314)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-40.000	0.000	10.000	XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 2.99

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EFFECT OF FULL ELEVATOR DEFLECTION ON BASELINE CONFIGURATION

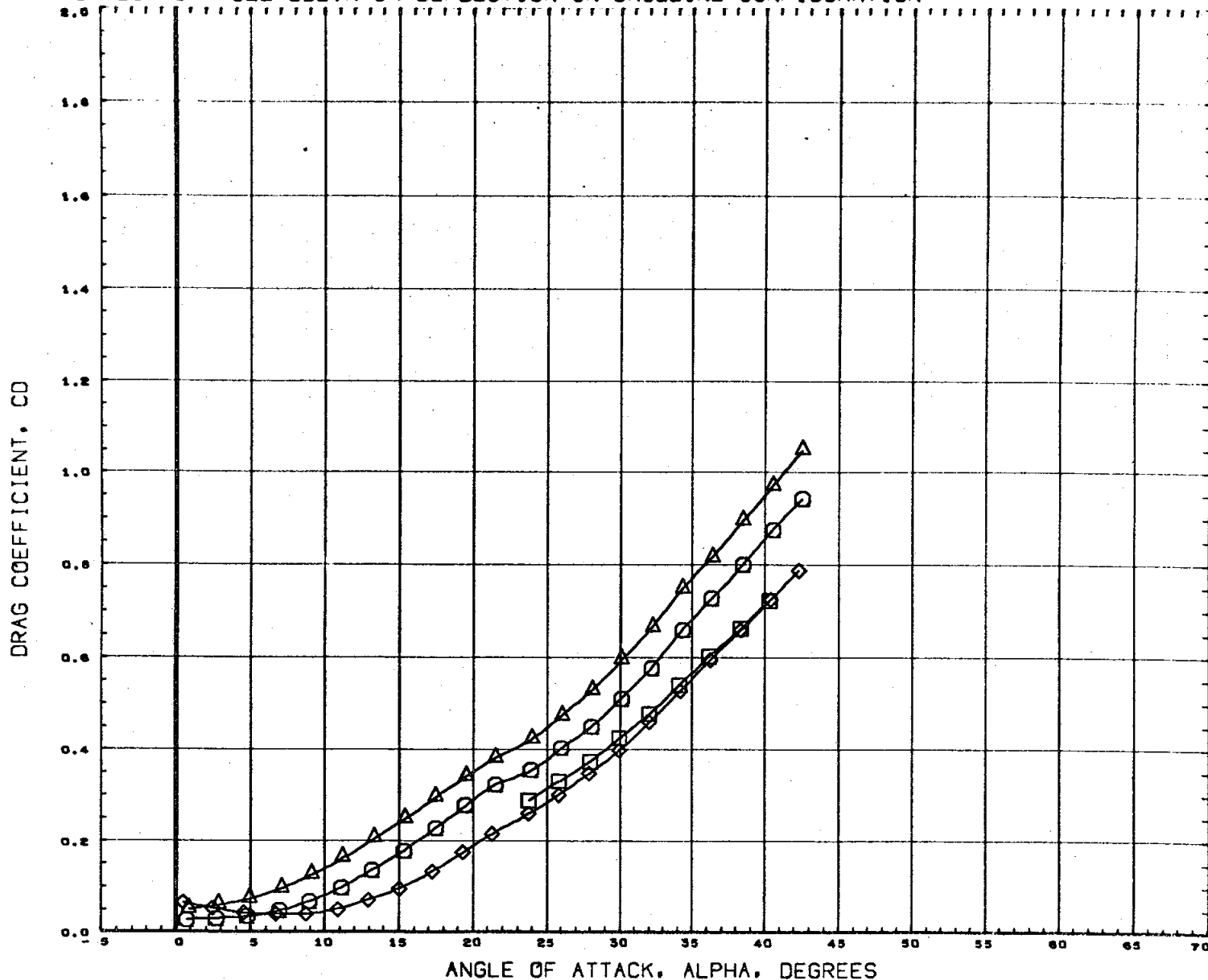


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76309)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	0.000	10.000	LREF	2.1000 IN.
(C76311)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	0.000	10.000	BREF	4.0300 IN.
(C76314)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-40.000	0.000	10.000	XMRP	3.4550 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 4.96

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EFFECT OF FULL ELEVATOR DEFLECTION ON BASELINE CONFIGURATION

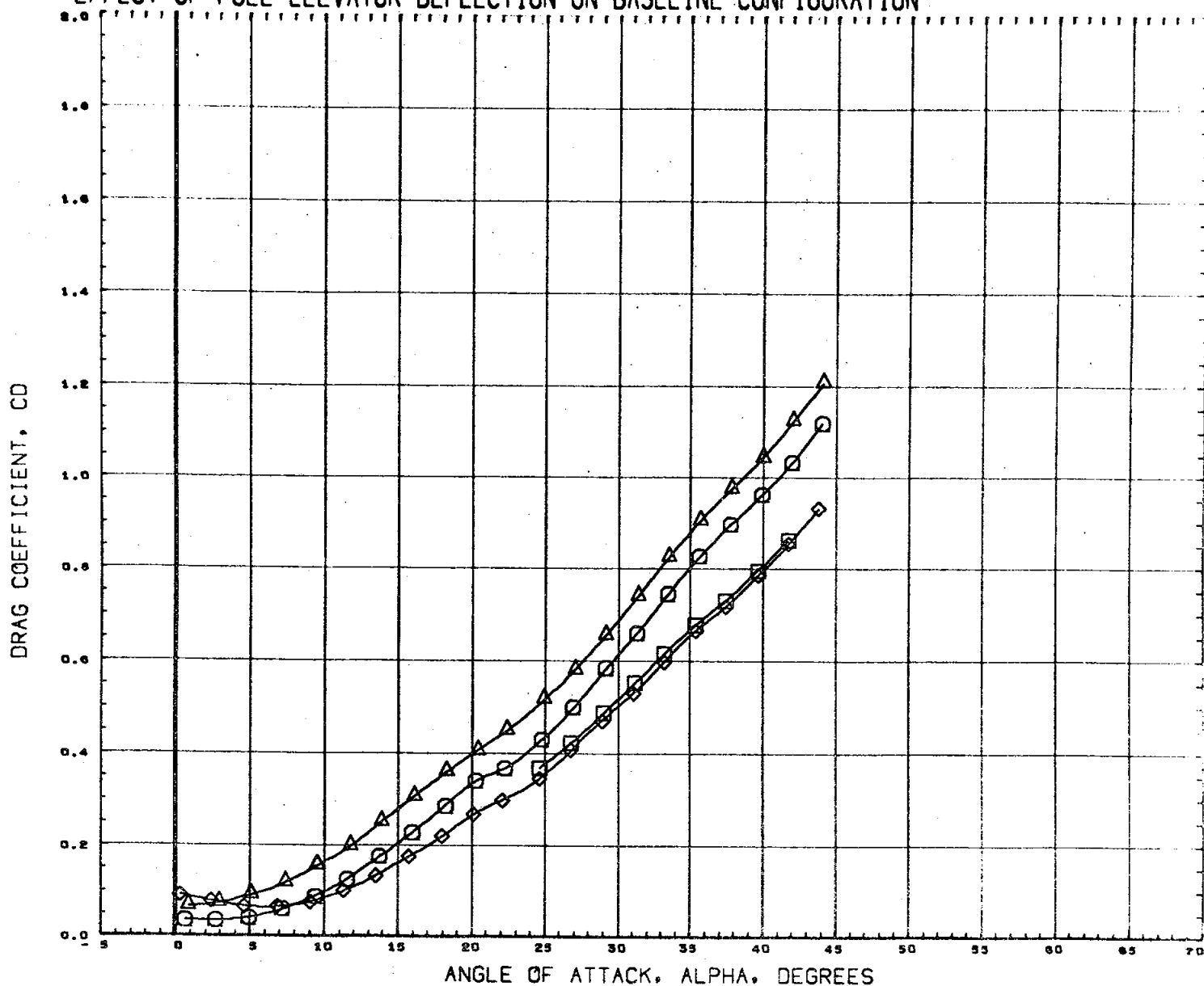


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76309)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	0.000	10.000	LREF	2.1020 IN.
(C76311)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	0.000	10.000	BREF	4.0300 IN.
(C76314)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-40.000	0.000	10.000	XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH .59

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EFFECT OF FULL ELEVATOR DEFLECTION ON BASELINE CONFIGURATION

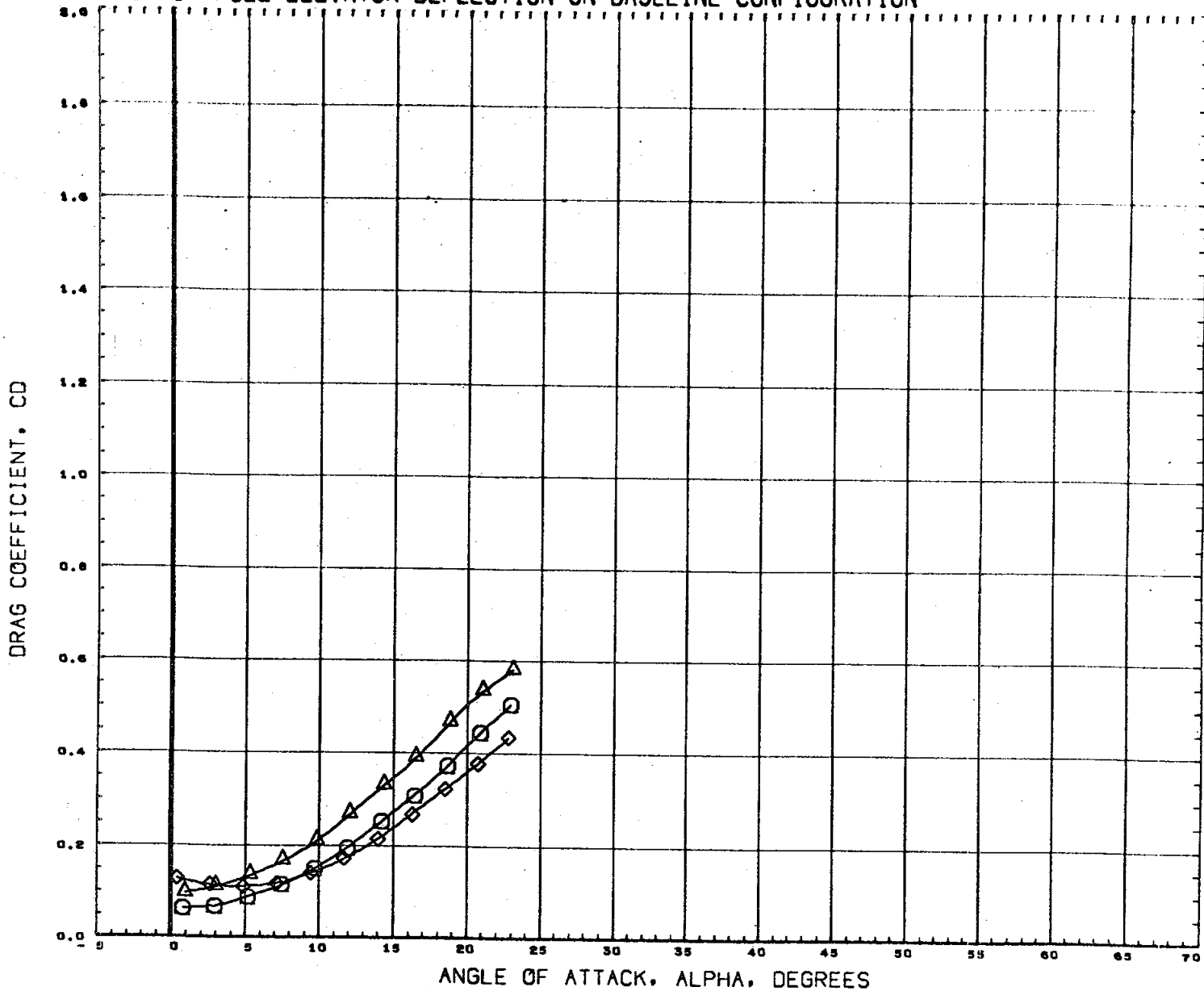


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C76S08)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76S09)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	0.000	10.000	LREF	2.1020 IN.
(C76S11)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	0.000	10.000	BREF	4.0300 IN.
(C76S14)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-40.000	0.000	10.000	XMRP	3.4530 IN.
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						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH .90

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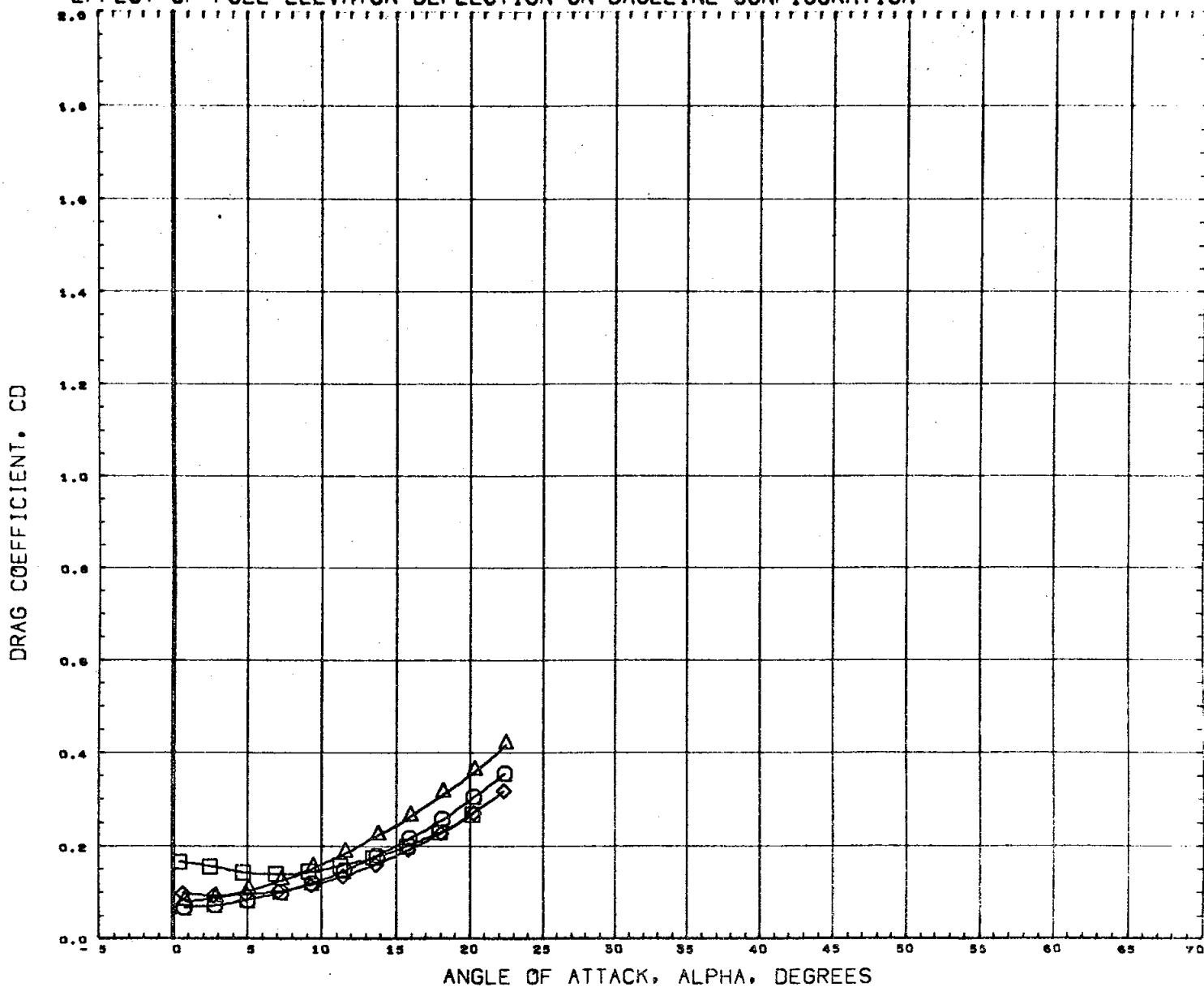
EFFECT OF FULL ELEVATOR DEFLECTION ON BASELINE CONFIGURATION



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76309)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	0.000	10.000	LREF	2.1020 IN.
(C76311)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	0.000	10.000	BREF	4.0300 IN.
(C76314)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	-40.000	0.000	10.000	XMRP	3.4530 IN.
						YMRP	0.0000 IN.
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						SCALE	0.0040

MACH 1.20

EFFECT OF FULL ELEVATOR DEFLECTION ON BASELINE CONFIGURATION

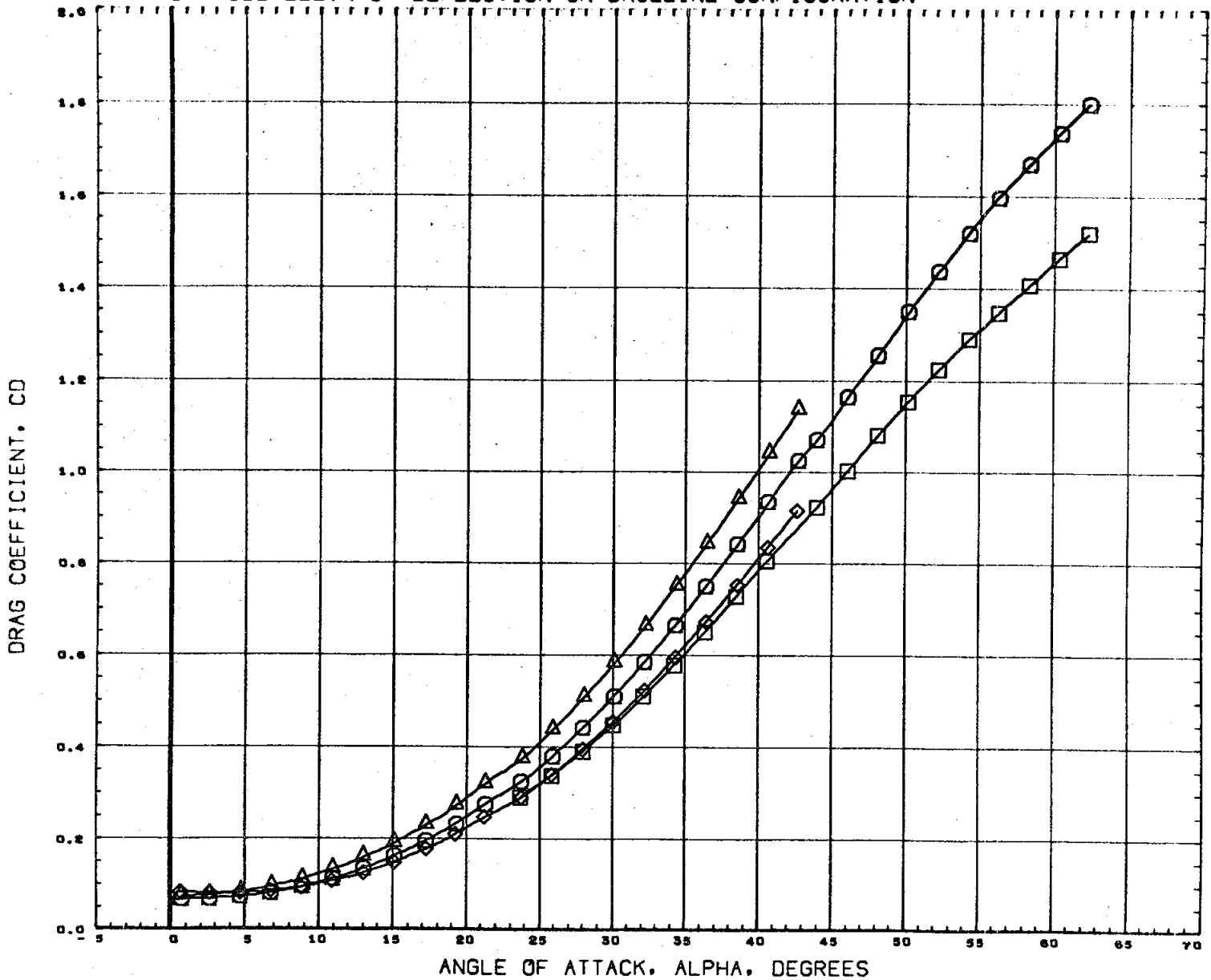


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION		
(C76508)	○	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190	SQ. IN.
(C76509)	△	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	0.000	10.000	LREF	2.1020	IN.
(C76511)	◇	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	0.000	10.000	BREF	4.0300	IN.
(C76514)	□	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-40.000	0.000	10.000	XMRP	3.4530	IN.
							YMRP	0.0000	IN.
							ZMRP	0.0000	IN.
							SCALE	0.0040	

MACH 1.97

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EFFECT OF FULL ELEVATOR DEFLECTION ON BASELINE CONFIGURATION

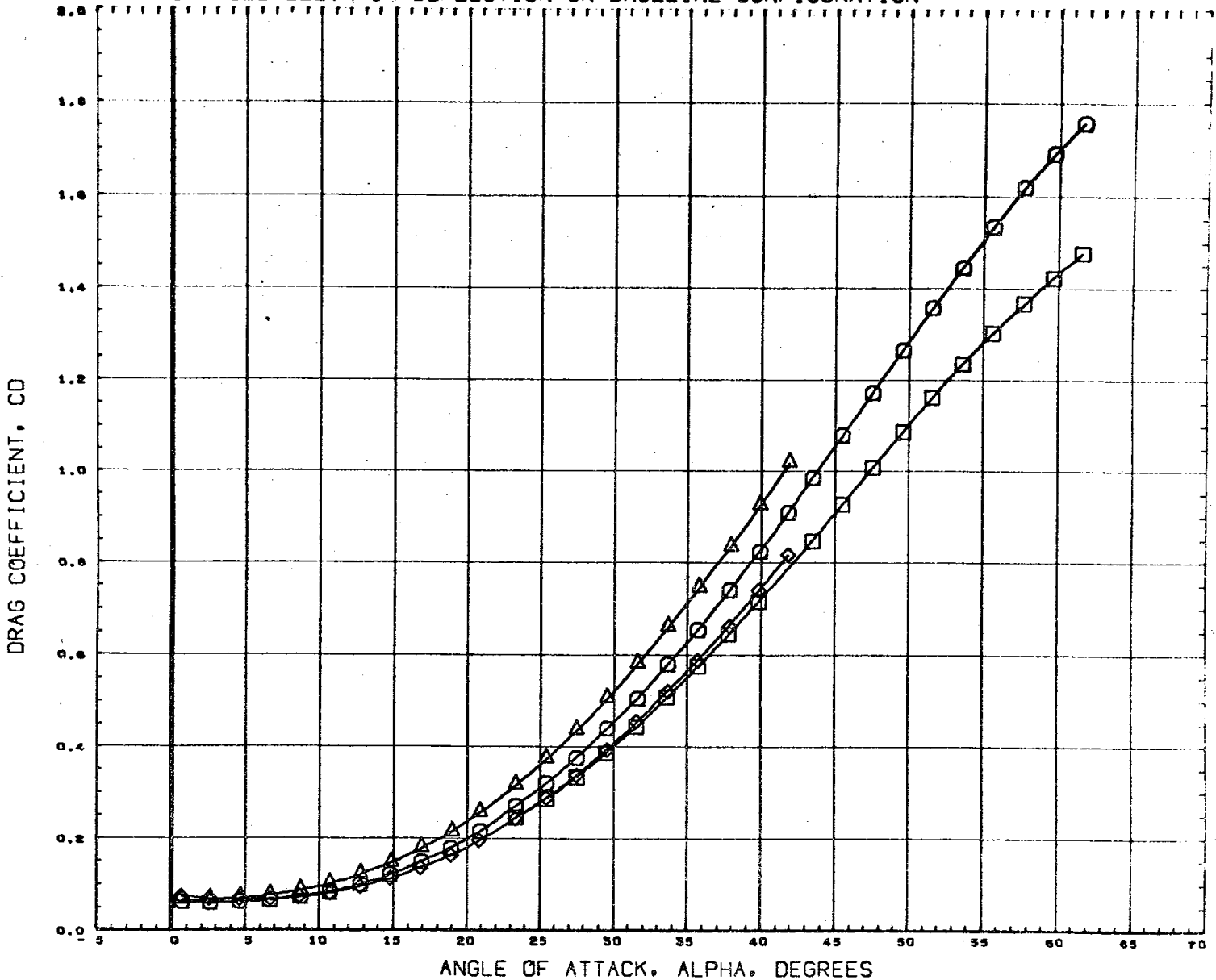


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76309)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	0.000	10.000	LREF	2.1020 IN.
(C76311)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	0.000	10.000	BREF	4.0300 IN.
(C76314)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-40.000	0.000	10.000	XHRP	3.4530 IN.
						YHRP	0.0000 IN.
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						SCALE	0.0040

MACH 2.99

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EFFECT OF FULL ELEVATOR DEFLECTION ON BASELINE CONFIGURATION

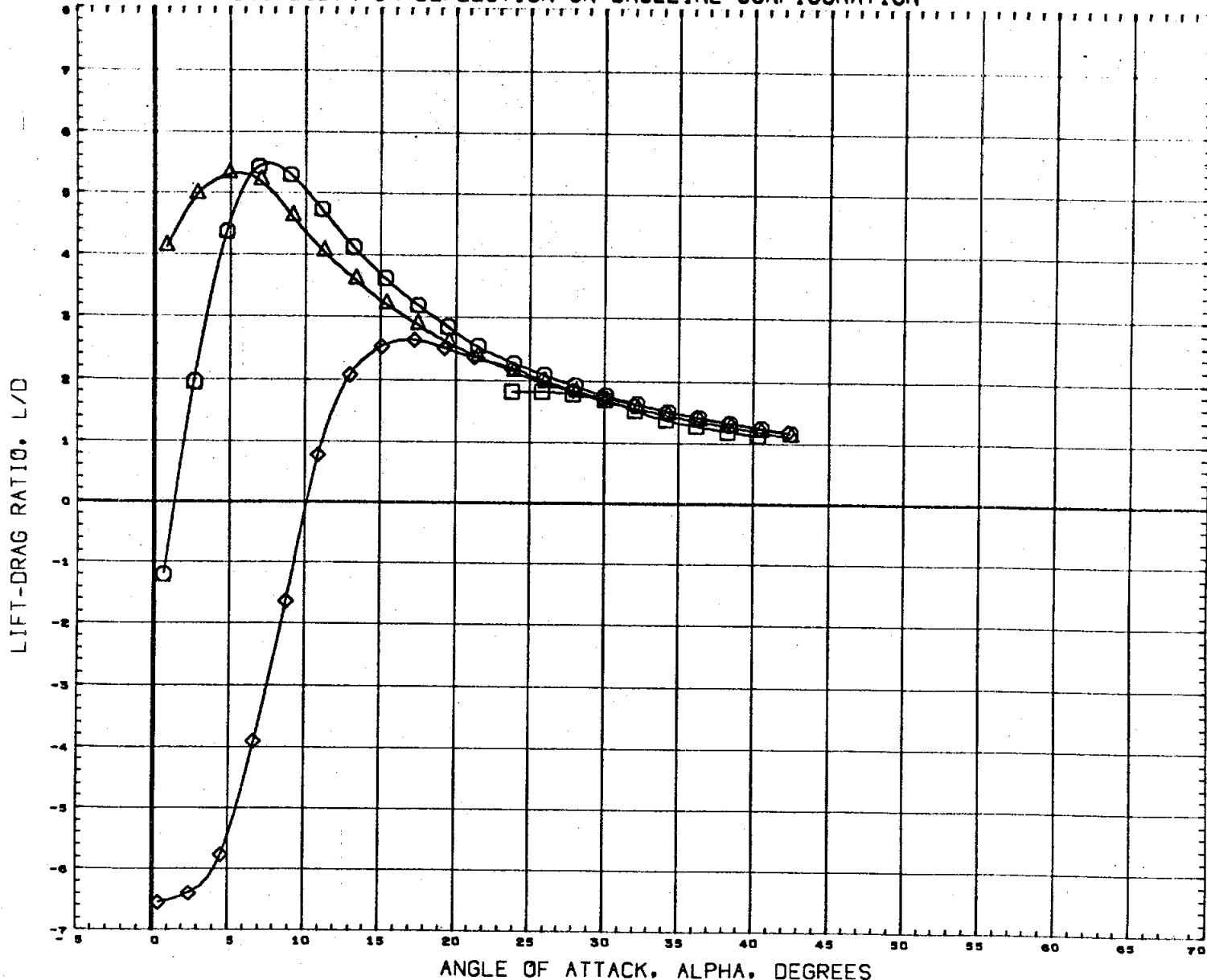


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION		
(C76308)	M555 (FA3) NAR ATP ORB (B1C1D1F1H1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190	SQ. IN.
(C76309)	M555 (FA3) NAR ATP ORB (B1C1D1F1H1) (W1E1) (V1K1R1)	0.000	10.000	0.000	10.000	LREF	2.1020	IN.
(C76311)	M555 (FA3) NAR ATP ORB (B1C1D1F1H1) (W1E1) (V1K1R1)	0.000	-20.000	0.000	10.000	BREF	4.0300	IN.
(C76314)	M555 (FA3) NAR ATP ORB (B1C1D1F1H1) (W1E1) (V1K1R1)	0.000	-40.000	0.000	10.000	XMRP	3.4530	IN.
						YMRP	0.0000	IN.
						ZMRP	0.0000	IN.
						SCALE	0.0040	

MACH 4.96

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EFFECT OF FULL ELEVATOR DEFLECTION ON BASELINE CONFIGURATION

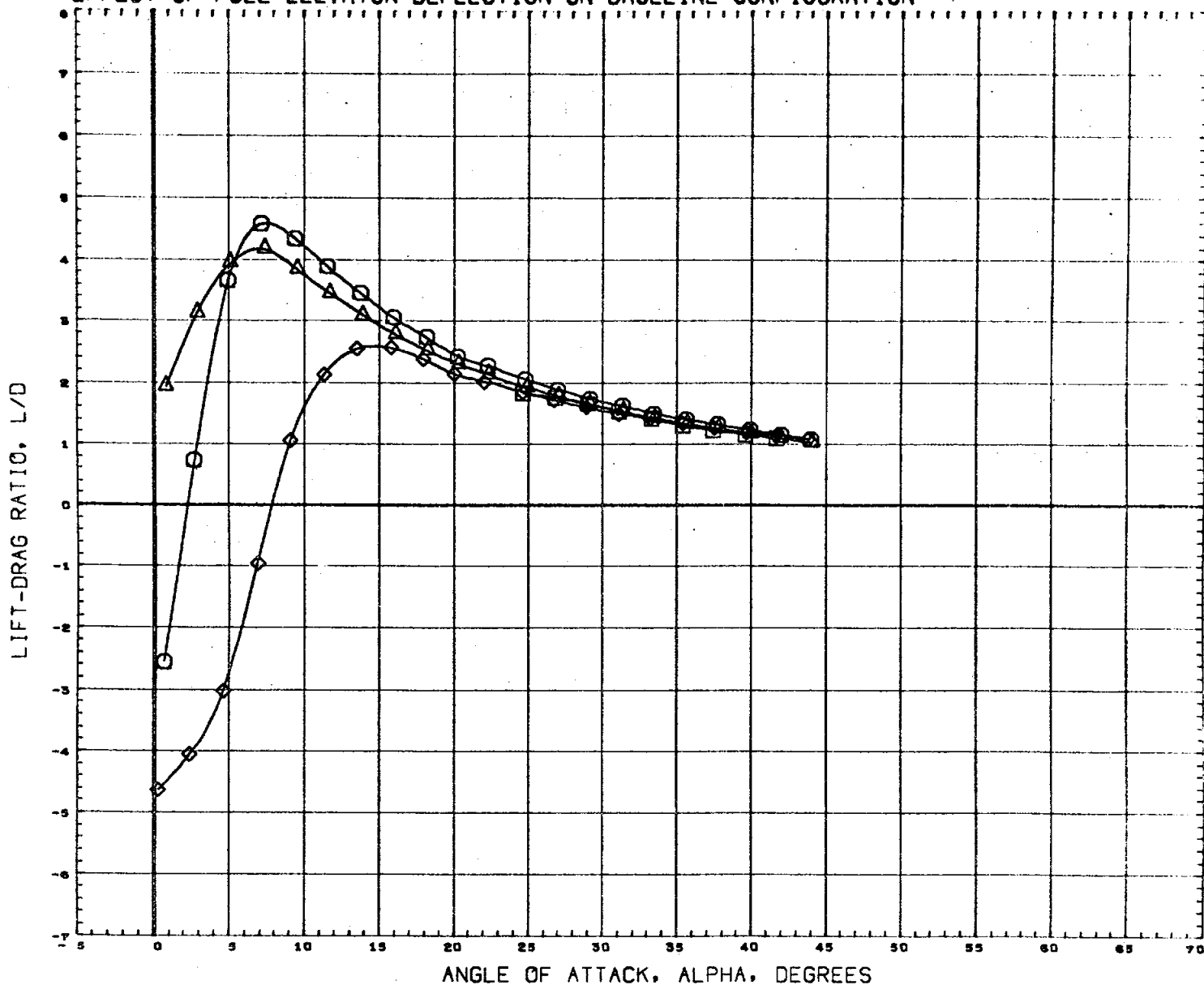


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76309)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	0.000	10.000	LREF	2.1020 IN.
(C76311)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	0.000	10.000	BREF	4.0300 IN.
(C76314)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-40.000	0.000	10.000	XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH

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EFFECT OF FULL ELEVATOR DEFLECTION ON BASELINE CONFIGURATION

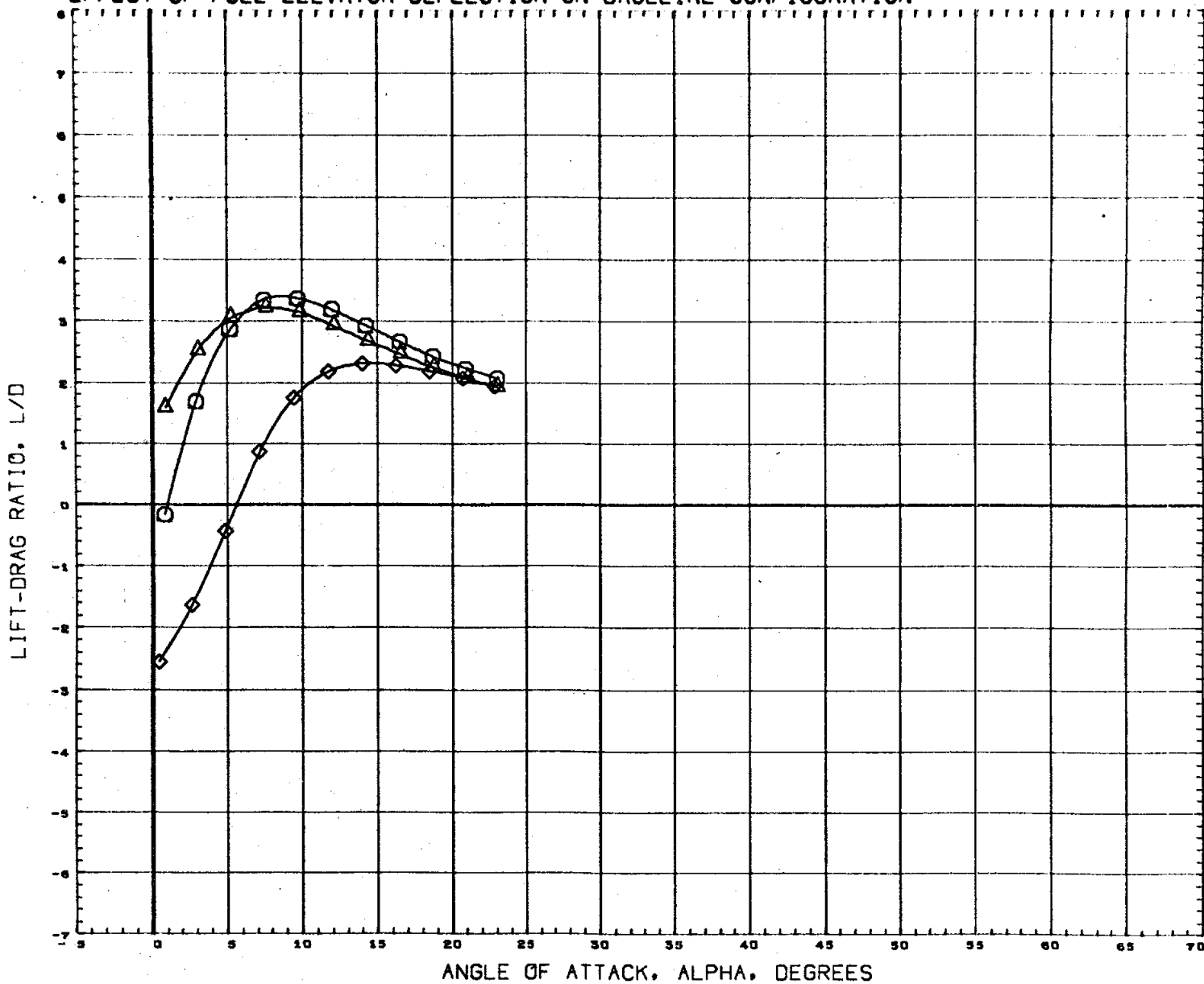


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76309)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	0.000	10.000	LREF	2.1020 IN.
(C76311)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	0.000	10.000	BREF	4.0300 IN.
(C76314)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-40.000	0.000	10.000	XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH .90

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EFFECT OF FULL ELEVATOR DEFLECTION ON BASELINE CONFIGURATION

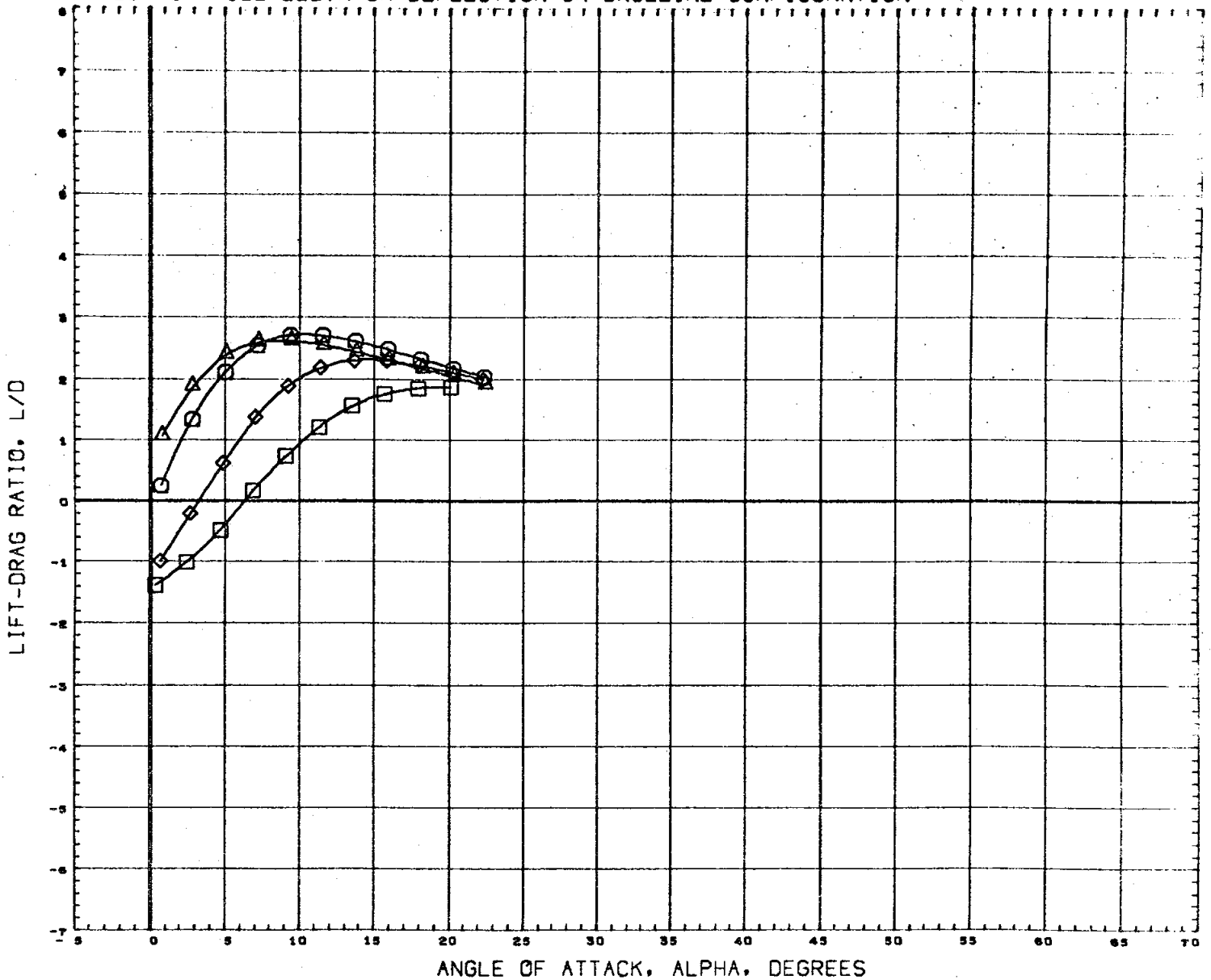


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(C76303)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76309)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	0.000	10.000	LREF	2.1020 IN.
(C76311)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	0.000	10.000	BREF	4.0300 IN.
(C76314)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	-40.000	0.000	10.000	XNRP	3.4530 IN.
						YNRP	0.0000 IN.
						ZNRP	0.0000 IN.
						SCALE	0.0040

MACH 1.20

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EFFECT OF FULL ELEVATOR DEFLECTION ON BASELINE CONFIGURATION

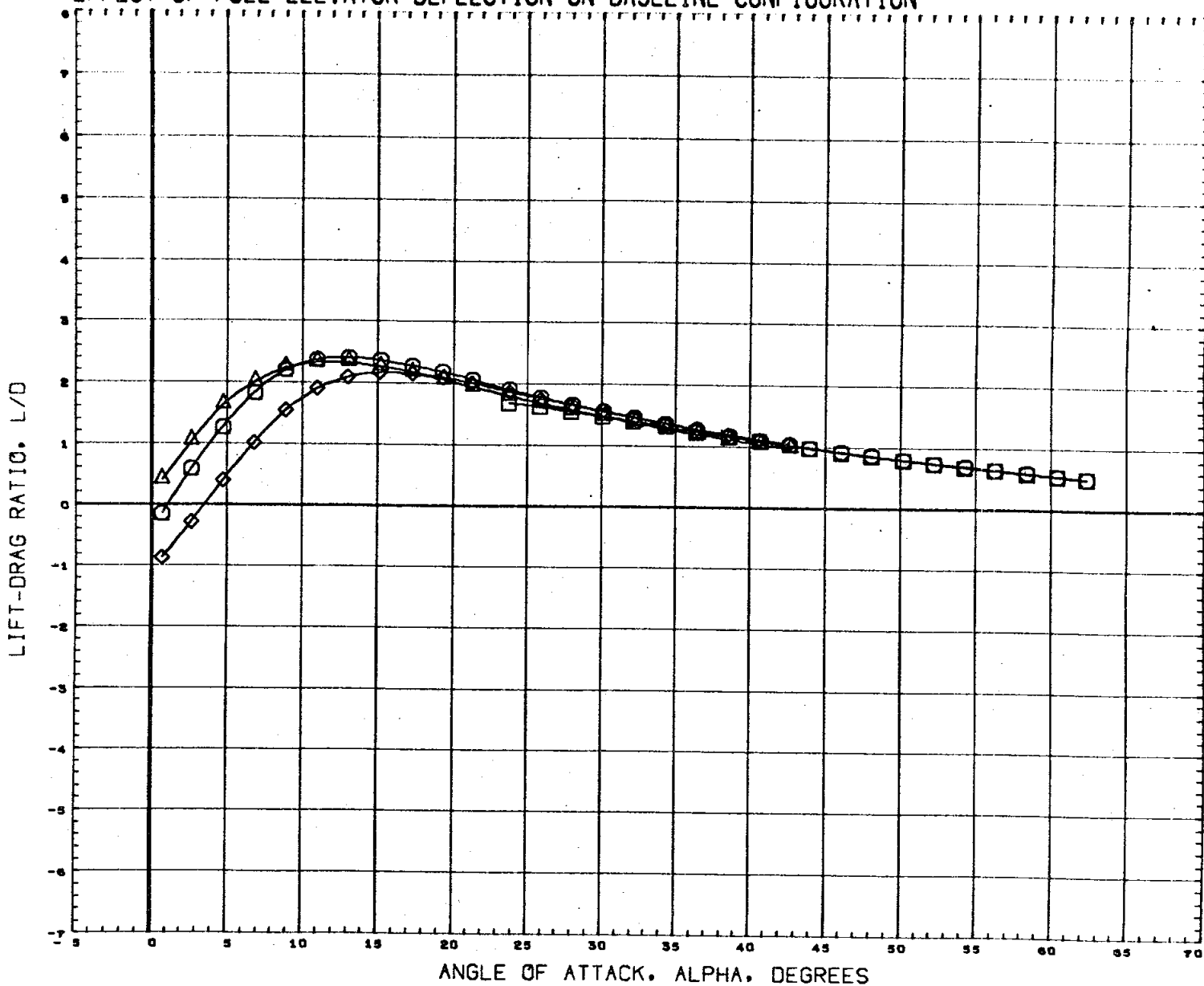


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76509)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	0.000	10.000	LREF	2.1020 IN.
(C76511)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	0.000	10.000	BREF	4.0300 IN.
(C76514)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-40.000	0.000	10.000	XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 1.97

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EFFECT OF FULL ELEVATOR DEFLECTION ON BASELINE CONFIGURATION



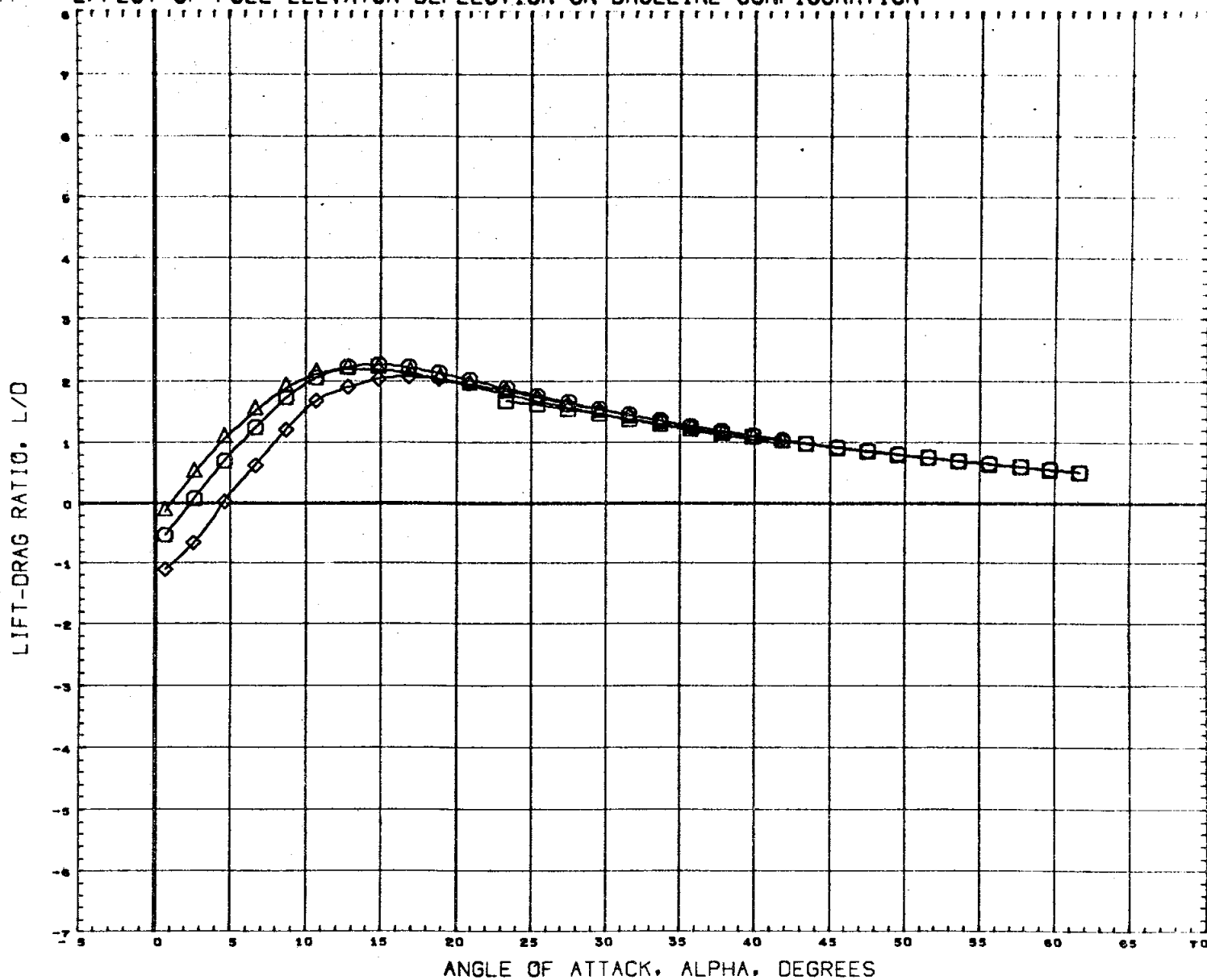
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76309)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	0.000	10.000	LREF	2.1020 IN.
(C76311)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	0.000	10.000	BREF	4.0300 IN.
(C76314)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-40.000	0.000	10.000	XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH

2.99

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EFFECT OF FULL ELEVATOR DEFLECTION ON BASELINE CONFIGURATION

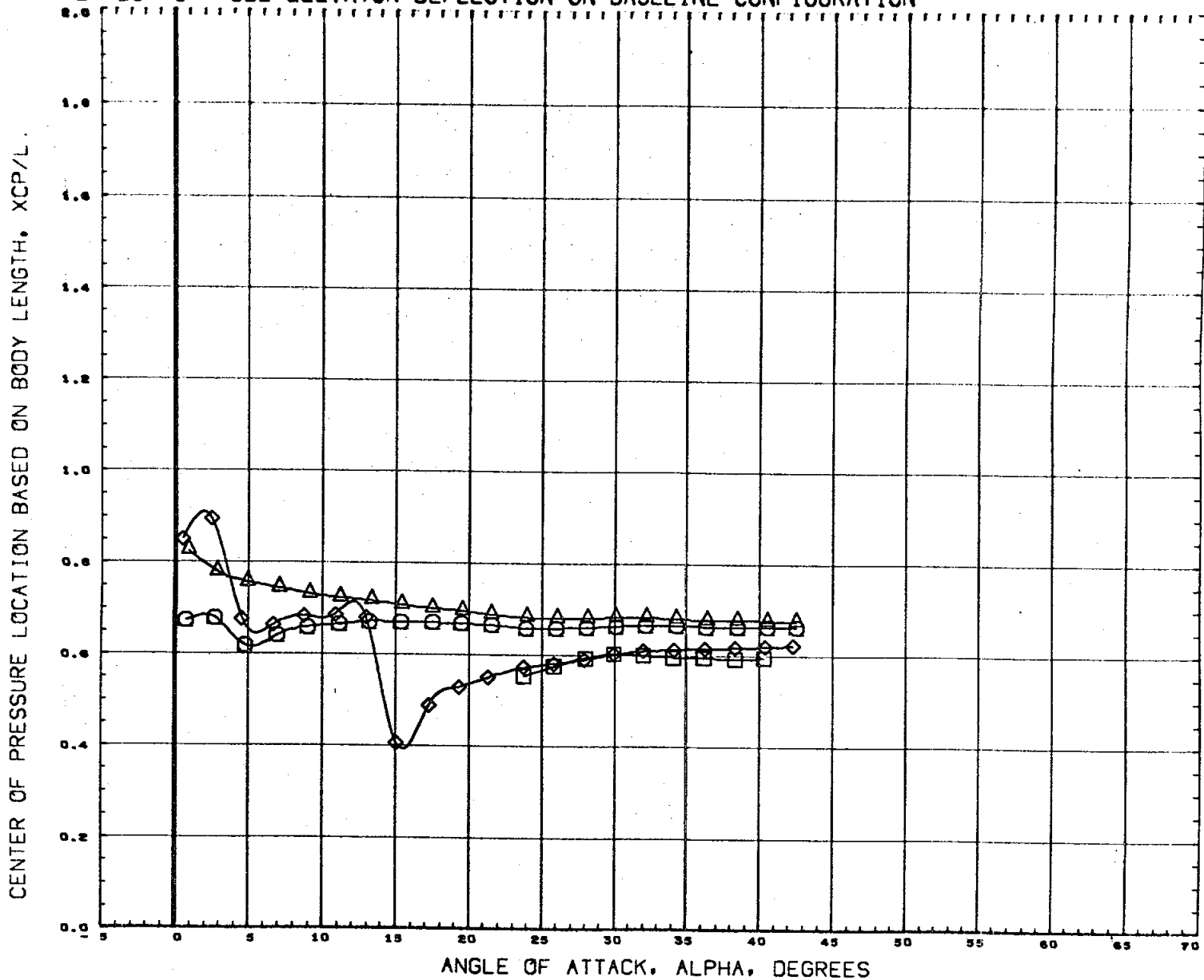


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(C76308)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76509)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	0.000	10.000	LREF	2.1020 IN.
(C76511)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	0.000	10.000	BREF	4.0300 IN.
(C76514)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-40.000	0.000	10.000	XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 4.96

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EFFECT OF FULL ELEVATOR DEFLECTION ON BASELINE CONFIGURATION

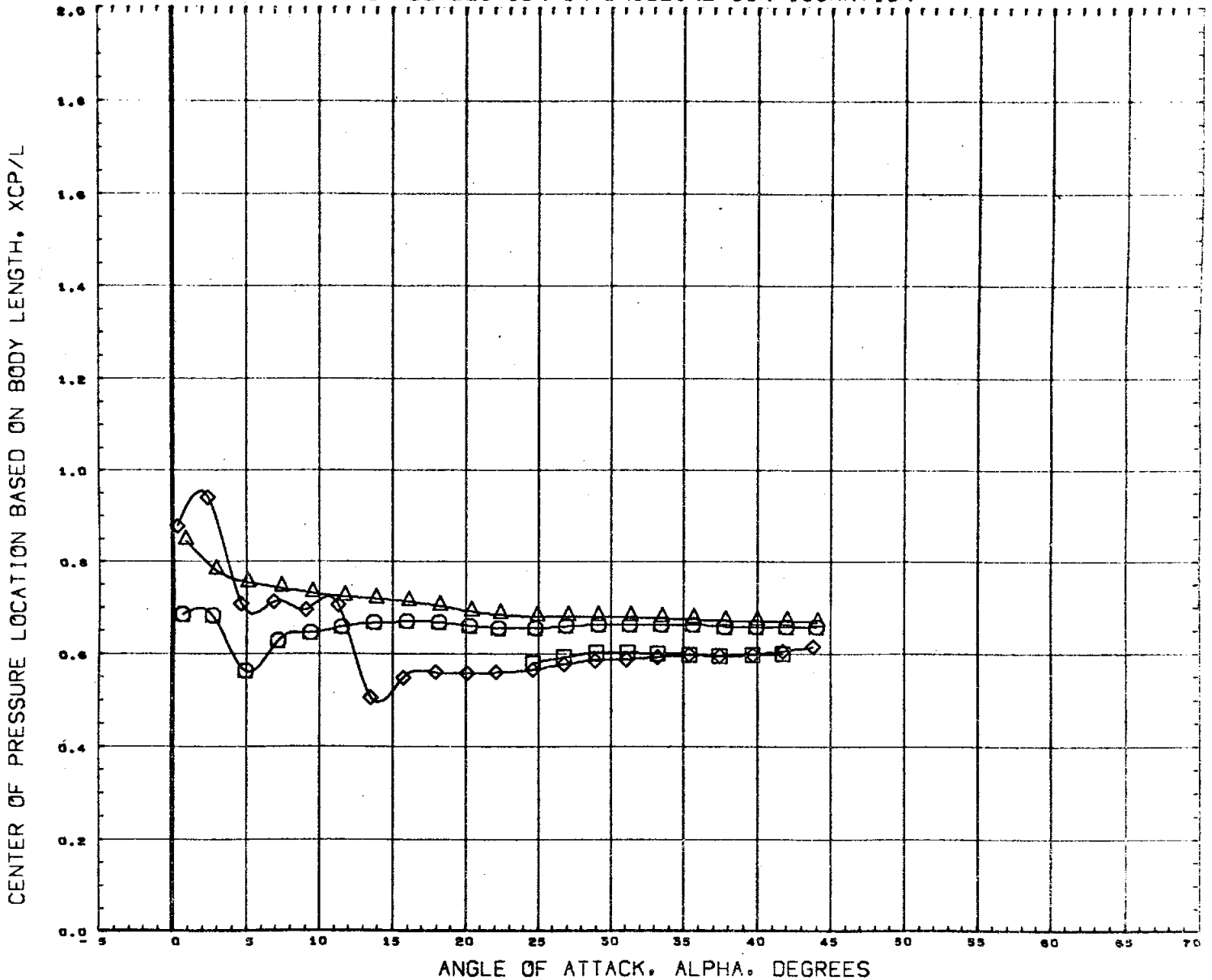


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
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(C76309)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	0.000	10.000	LREF	2.1020 IN.
(C76311)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	0.000	10.000	BREF	4.0300 IN.
(C76314)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-40.000	0.000	10.000	XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH

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EFFECT OF FULL ELEVATOR DEFLECTION ON BASELINE CONFIGURATION

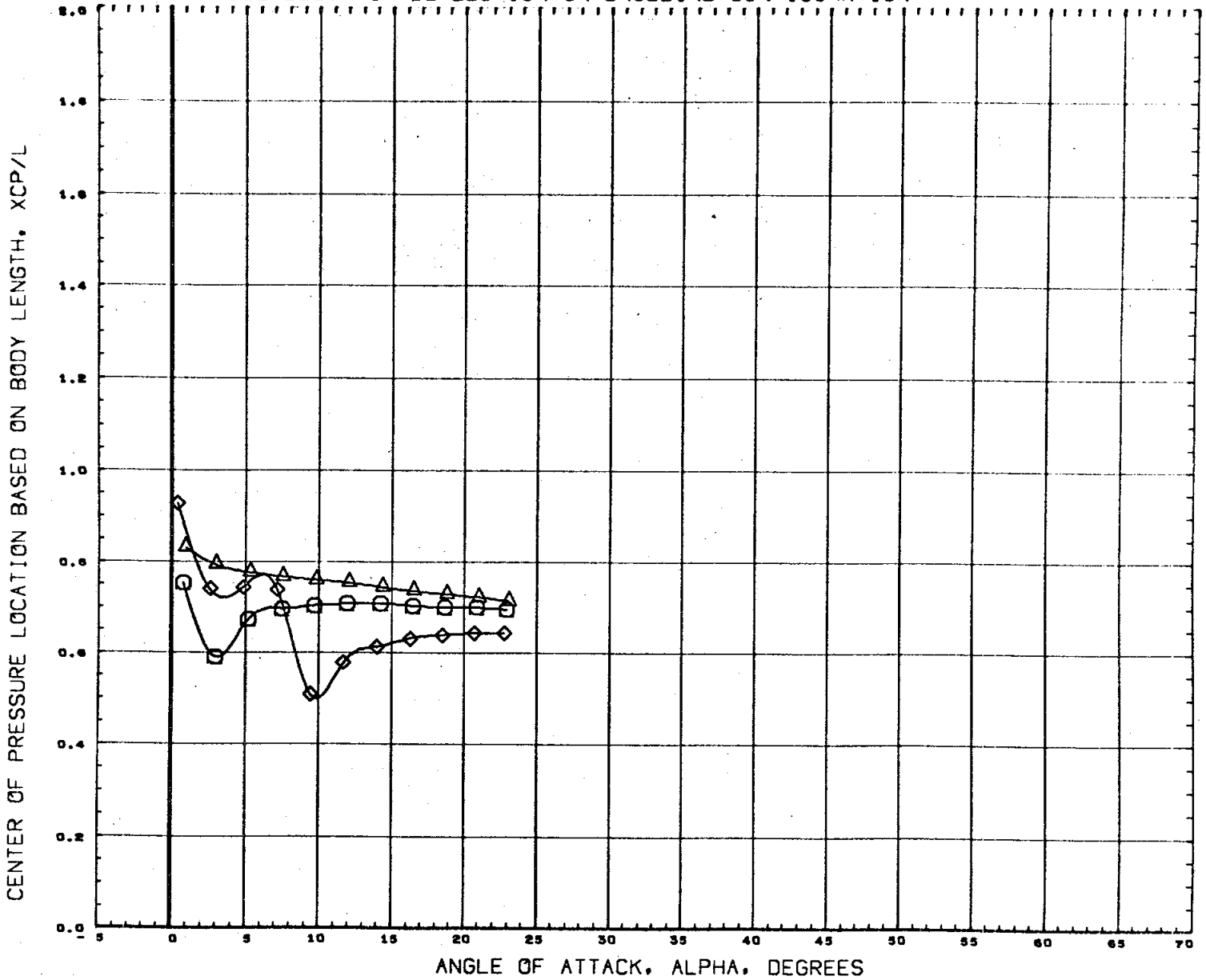


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76509)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	0.000	10.000	LREF	2.1020 IN.
(C76511)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	0.000	10.000	BREF	4.0300 IN.
(C76514)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-40.000	0.000	10.000	XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH .90

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EFFECT OF FULL ELEVATOR DEFLECTION ON BASELINE CONFIGURATION

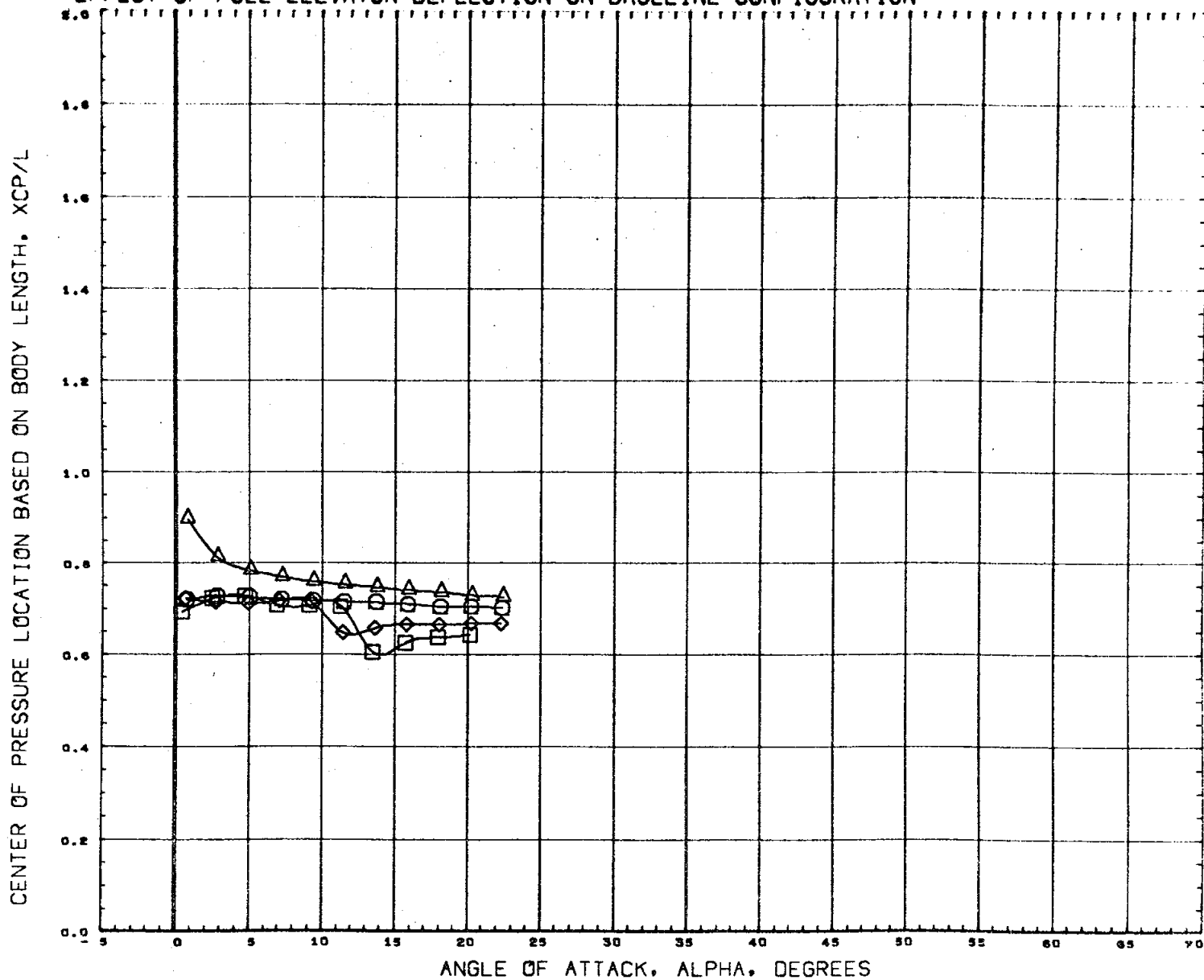


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(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76309)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	0.000	10.000	LREF	2.1020 IN.
(C76311)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	0.000	10.000	BREF	4.0300 IN.
(C76314)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	-40.000	0.000	10.000	XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 1.20

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EFFECT OF FULL ELEVATOR DEFLECTION ON BASELINE CONFIGURATION



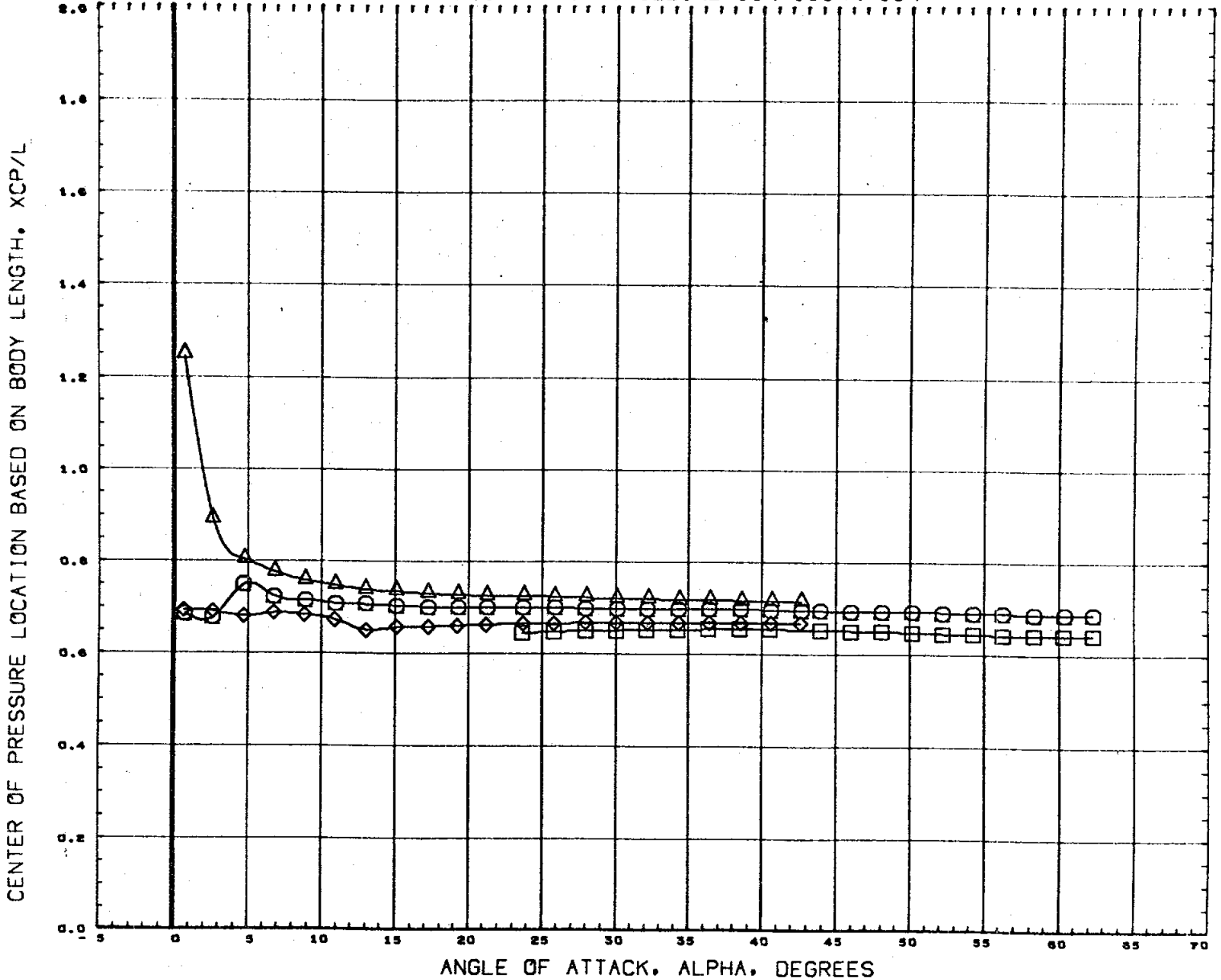
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(C76509)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	0.000	10.000	LREF	2.1020 IN.
(C76511)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	0.000	10.000	BREF	4.0300 IN.
(C76514)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-40.000	0.000	10.000	XMRP	3.4330 IN.
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						SCALE	0.0040

MACH

1.97

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EFFECT OF FULL ELEVATOR DEFLECTION ON BASELINE CONFIGURATION

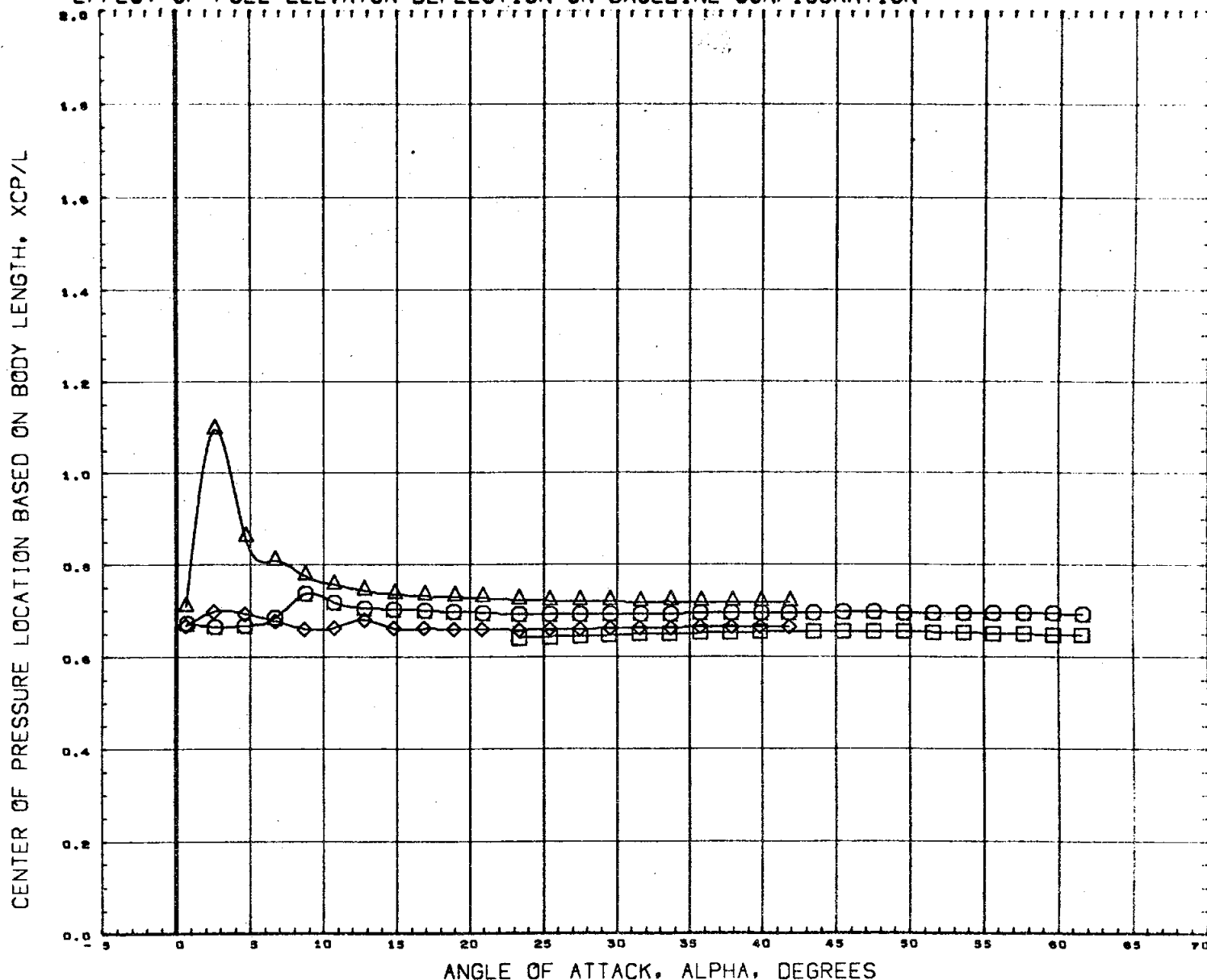


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(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190	SQ. IN.
(C76309)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	0.000	10.000	LREF	2.1020	IN.
(C76311)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	0.000	10.000	BREF	4.0300	IN.
(C76314)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-40.000	0.000	10.000	XMRP	3.4530	IN.
						YMRP	0.0000	IN.
						ZMRP	0.0000	IN.
						SCALE	0.0040	

MACH 2.99

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EFFECT OF FULL ELEVATOR DEFLECTION ON BASELINE CONFIGURATION

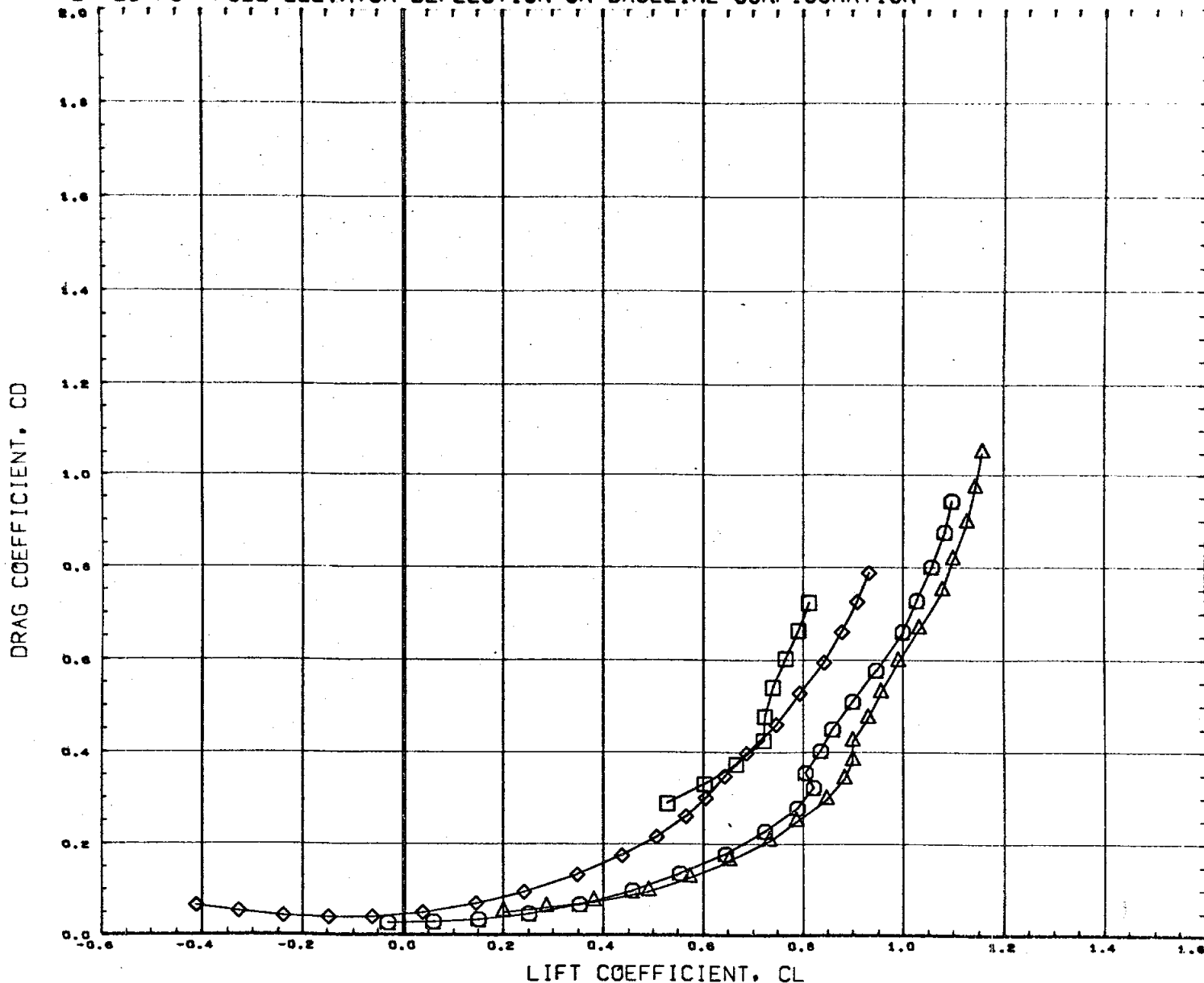


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
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(C76309)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	0.000	10.000	LREF	2.1020 IN.
(C76311)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	0.000	10.000	BREF	4.0300 IN.
(C76314)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-40.000	0.000	10.000	XMRP	3.4550 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 4.96

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EFFECT OF FULL ELEVATOR DEFLECTION ON BASELINE CONFIGURATION



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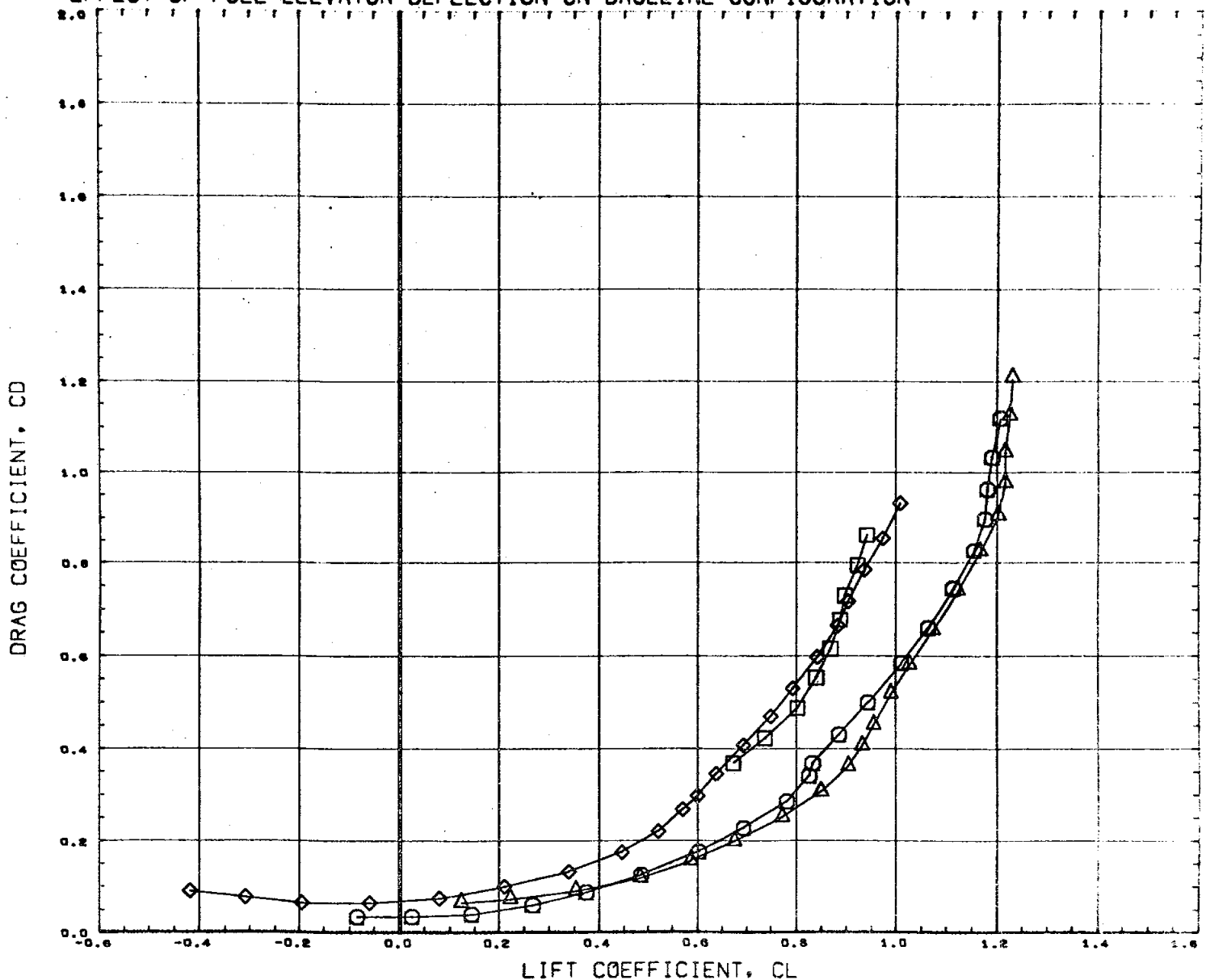
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76309)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	0.000	10.000	LREF	2.1020 IN.
(C76311)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	0.000	10.000	BREF	4.0300 IN.
(C76314)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-40.000	0.000	10.000	XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH

.59

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EFFECT OF FULL ELEVATOR DEFLECTION ON BASELINE CONFIGURATION

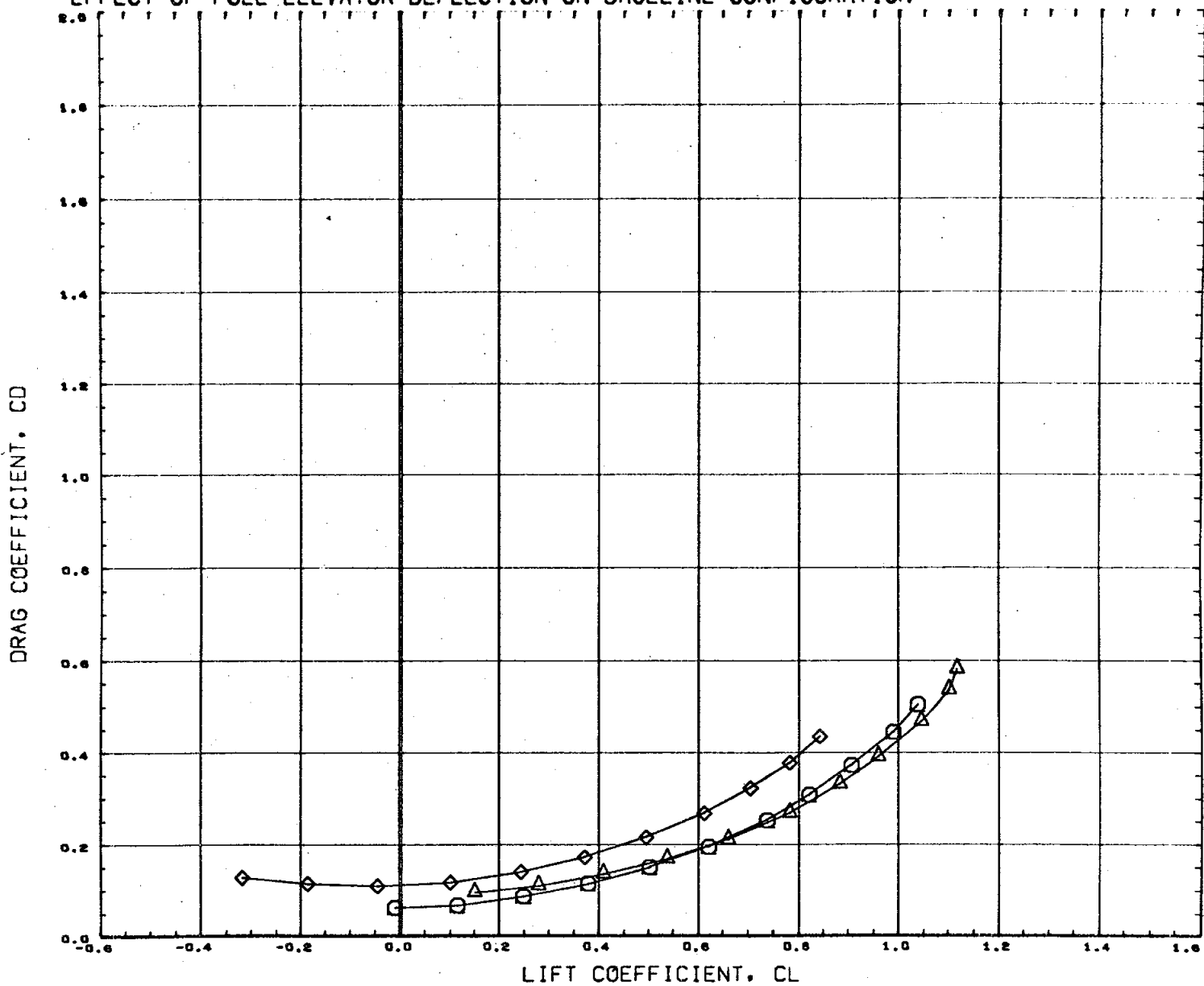


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76309)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	0.000	10.000	LREF	2.1020 IN.
(C76311)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	0.000	10.000	BREF	4.0300 IN.
(C76314)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-40.000	0.000	10.000	XMRP	3.4330 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH .90

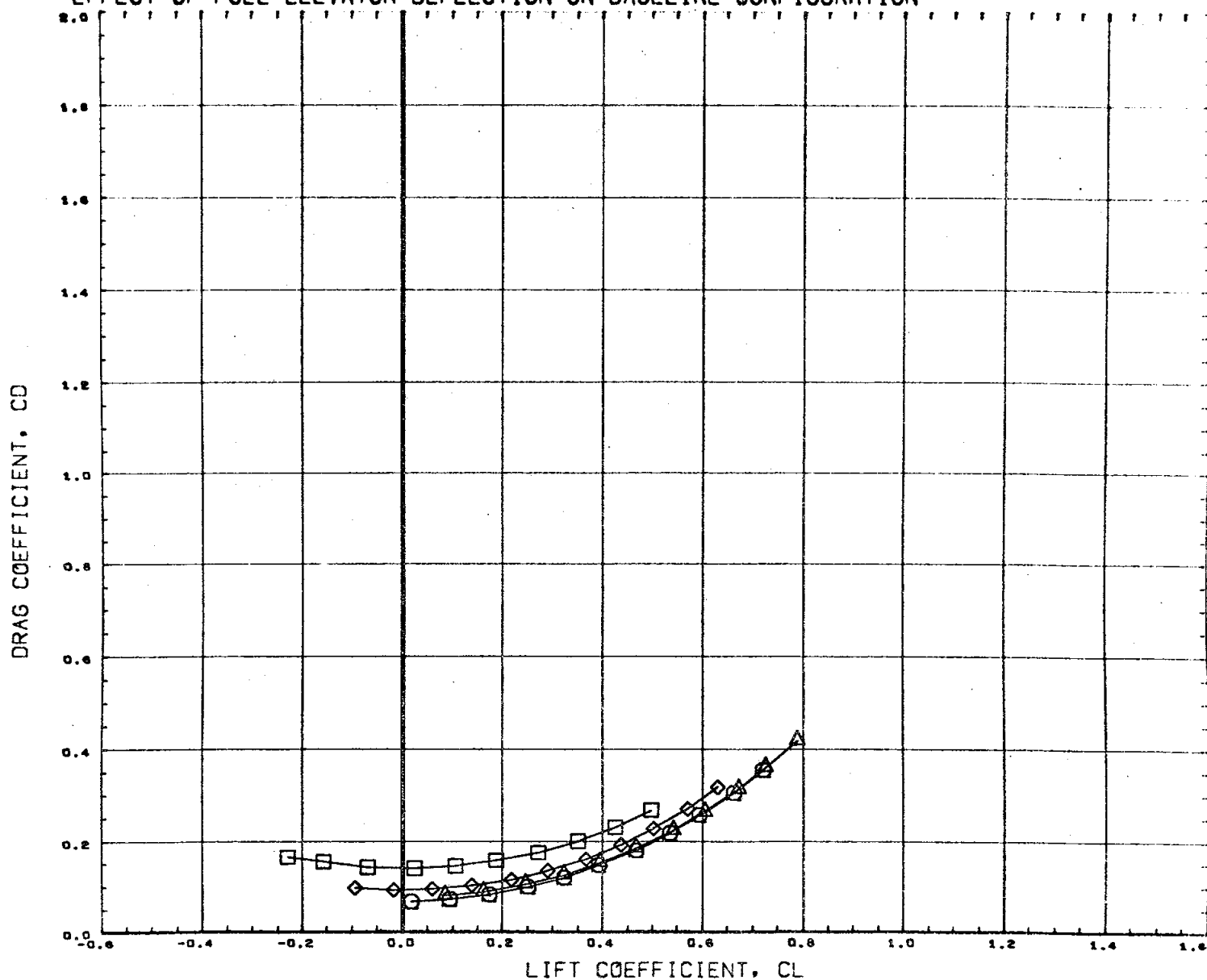
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EFFECT OF FULL ELEVATOR DEFLECTION ON BASELINE CONFIGURATION



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C76308)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76509)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	0.000	10.000	LREF	2.1020 IN.
(C76511)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	0.000	10.000	BREF	4.0300 IN.
(C76514)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	-40.000	0.000	10.000	XMRP	3.4530 IN.
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						ZMRP	0.0000 IN.
						SCALE	0.0040

EFFECT OF FULL ELEVATOR DEFLECTION ON BASELINE CONFIGURATION

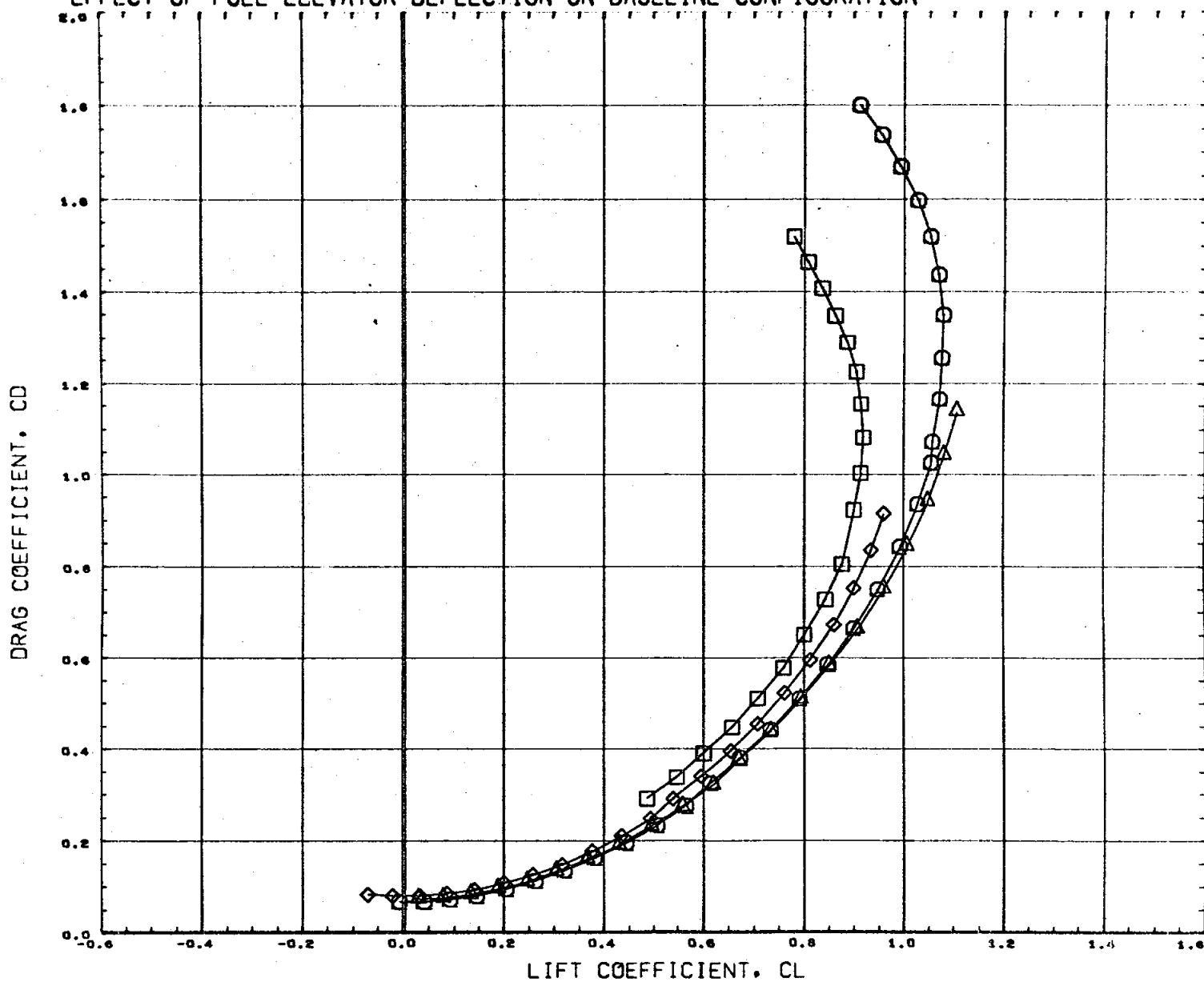


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76309)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	0.000	10.000	LREF	2.1020 IN.
(C76311)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	0.000	10.000	BREF	4.0300 IN.
(C76314)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-40.000	0.000	10.000	XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 1.97

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EFFECT OF FULL ELEVATOR DEFLECTION ON BASELINE CONFIGURATION

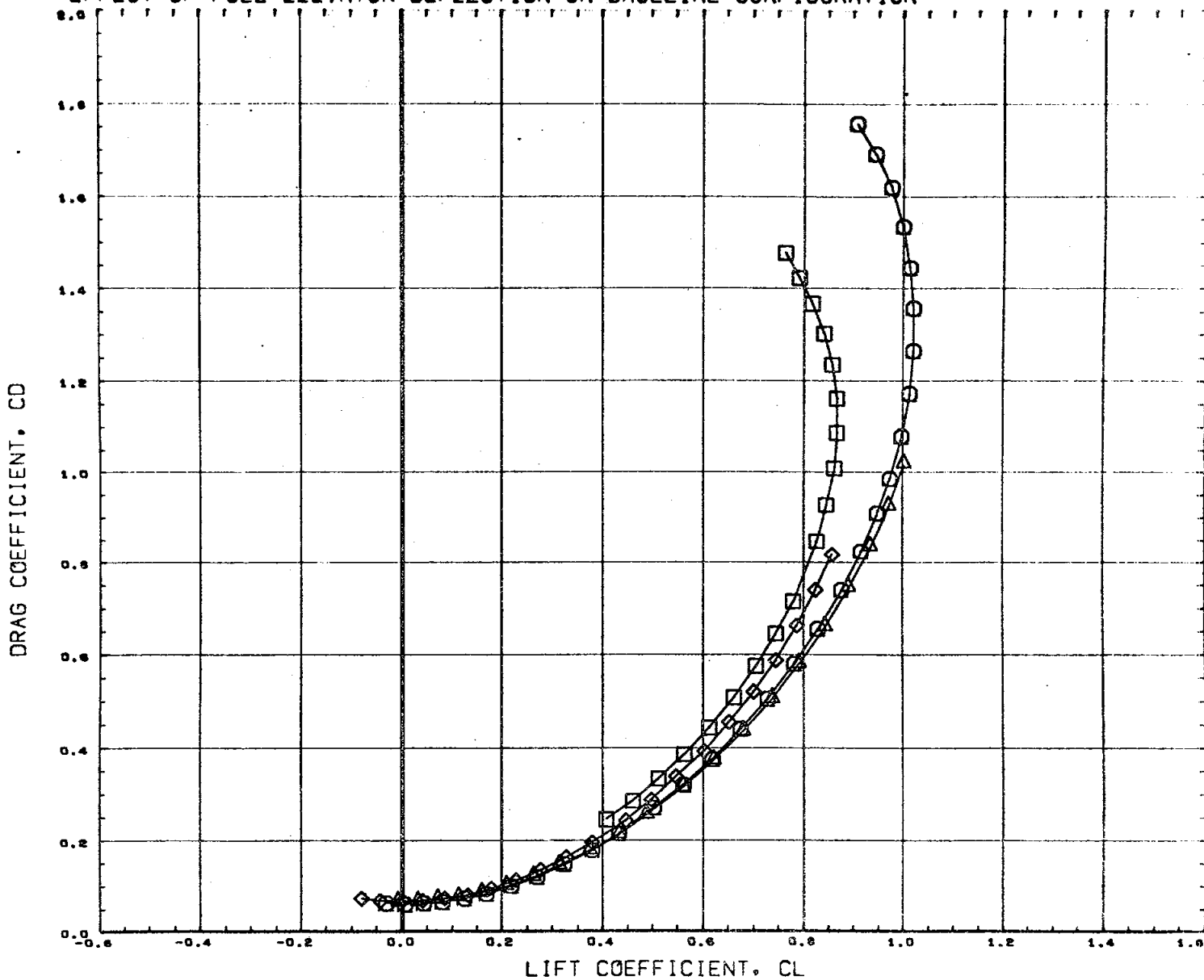


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76309)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	0.000	10.000	LREF	2.1023 IN.
(C76311)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	0.000	10.000	BREF	4.0300 IN.
(C76314)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-40.000	0.000	10.000	XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 2.99

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EFFECT OF FULL ELEVATOR DEFLECTION ON BASELINE CONFIGURATION

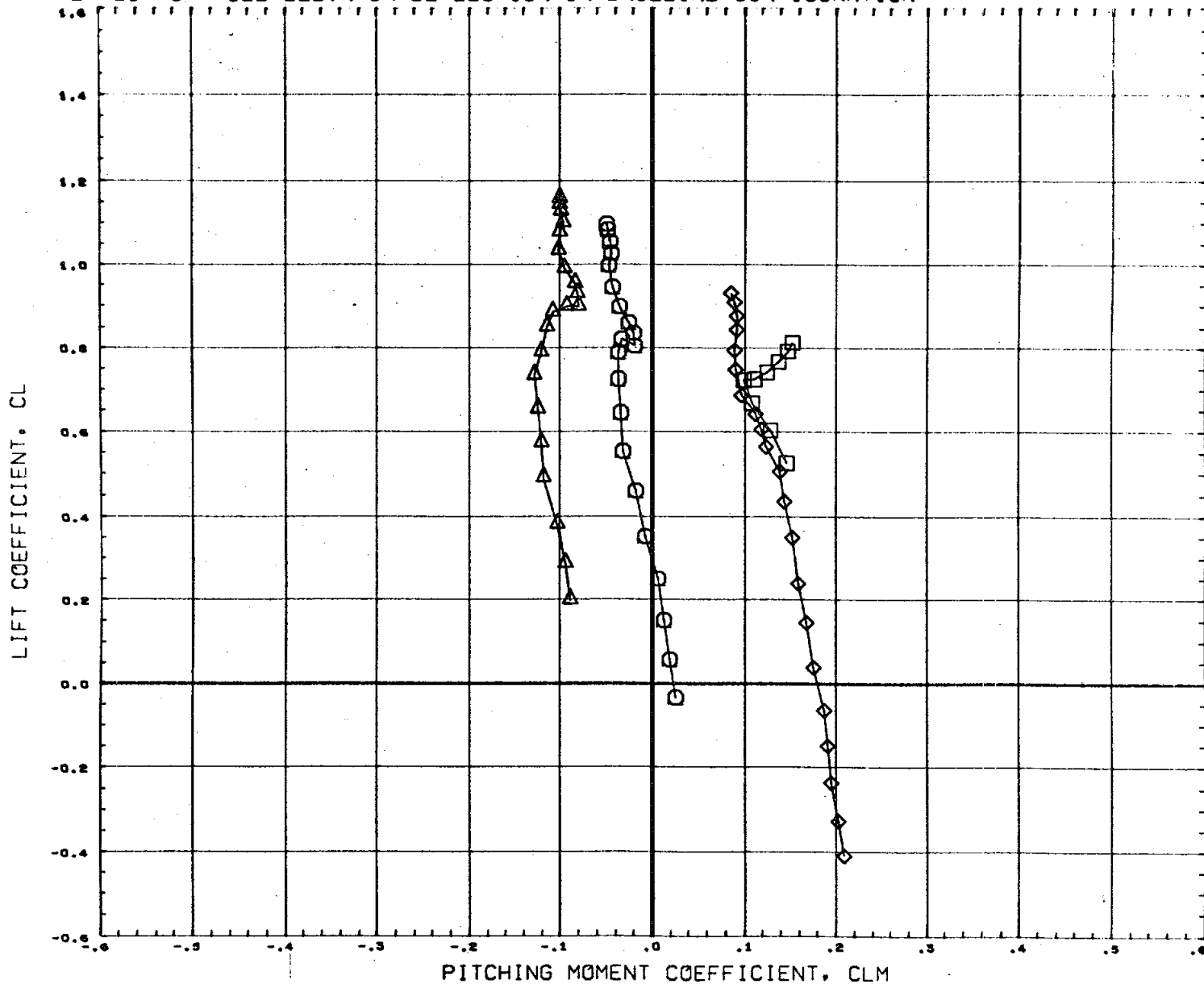


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION		
(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190	SQ. IN.
(C76309)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	0.000	10.000	LREF	2.1020	IN.
(C76311)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	0.000	10.000	BREF	4.0300	IN.
(C76314)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-40.000	0.000	10.000	XMRP	3.4530	IN.
						YMRP	0.0000	IN.
						ZMRP	0.0000	IN.
						SCALE	0.0040	

MACH 4.96

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EFFECT OF FULL ELEVATOR DEFLECTION ON BASELINE CONFIGURATION

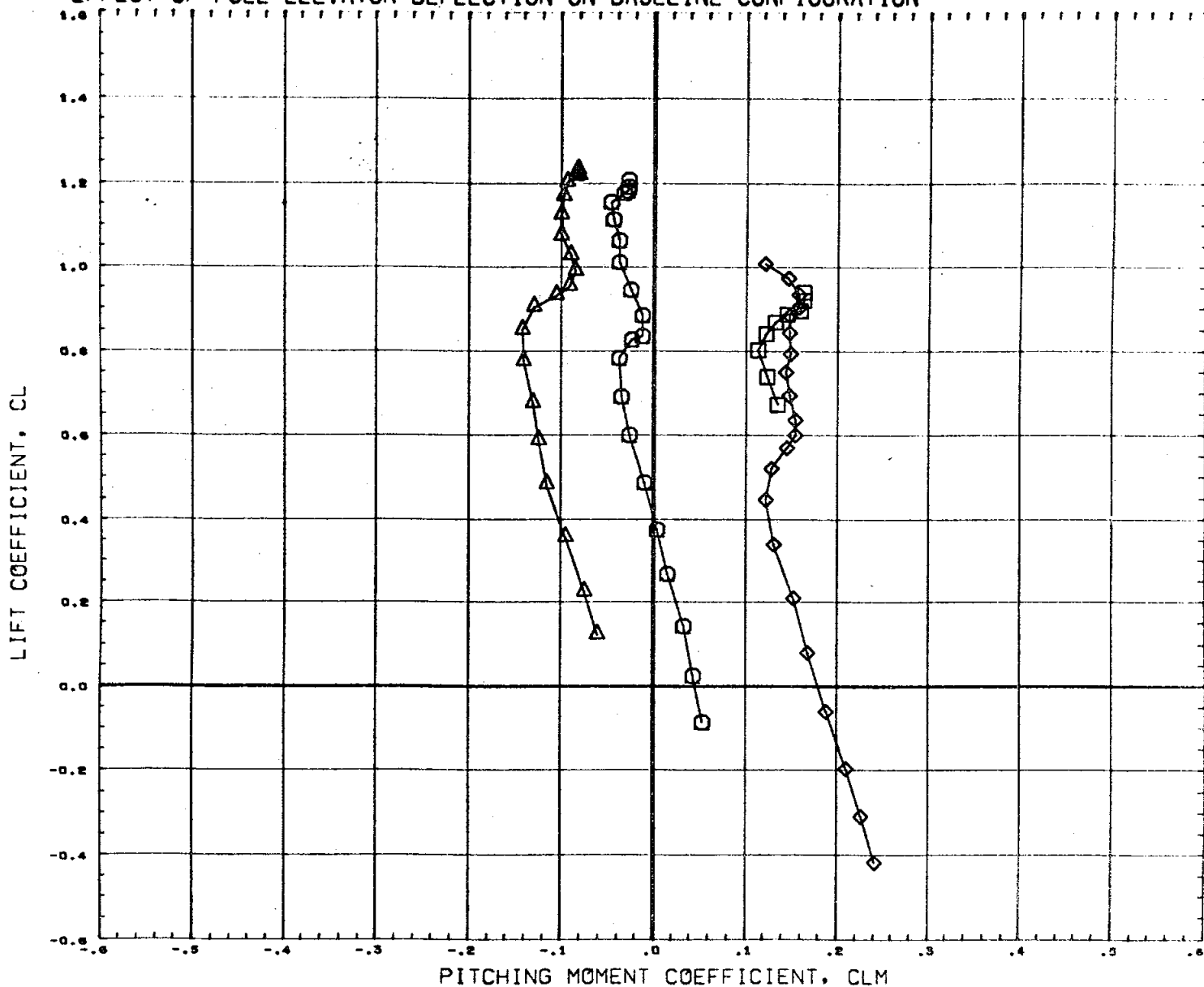


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76509)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	0.000	10.000	LREF	2.1020 IN.
(C76511)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	0.000	10.000	BREF	4.0300 IN.
(C76514)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-40.000	0.000	10.000	XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH .59

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EFFECT OF FULL ELEVATOR DEFLECTION ON BASELINE CONFIGURATION

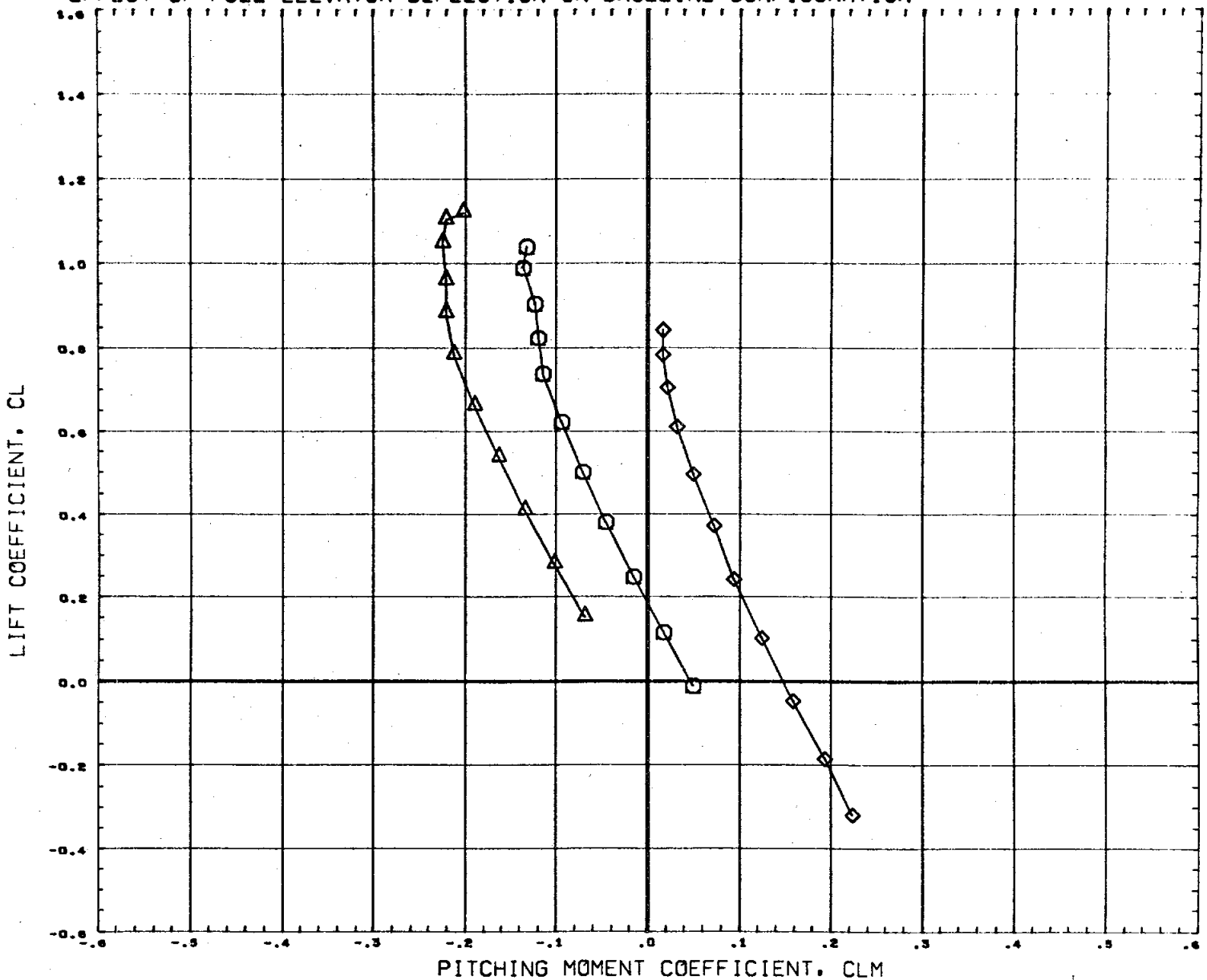


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C76308)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76309)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	0.000	10.000	LREF	2.1020 IN.
(C76311)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	0.000	10.000	BREF	4.0300 IN.
(C76314)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-40.000	0.000	10.000	XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH .90

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EFFECT OF FULL ELEVATOR DEFLECTION ON BASELINE CONFIGURATION

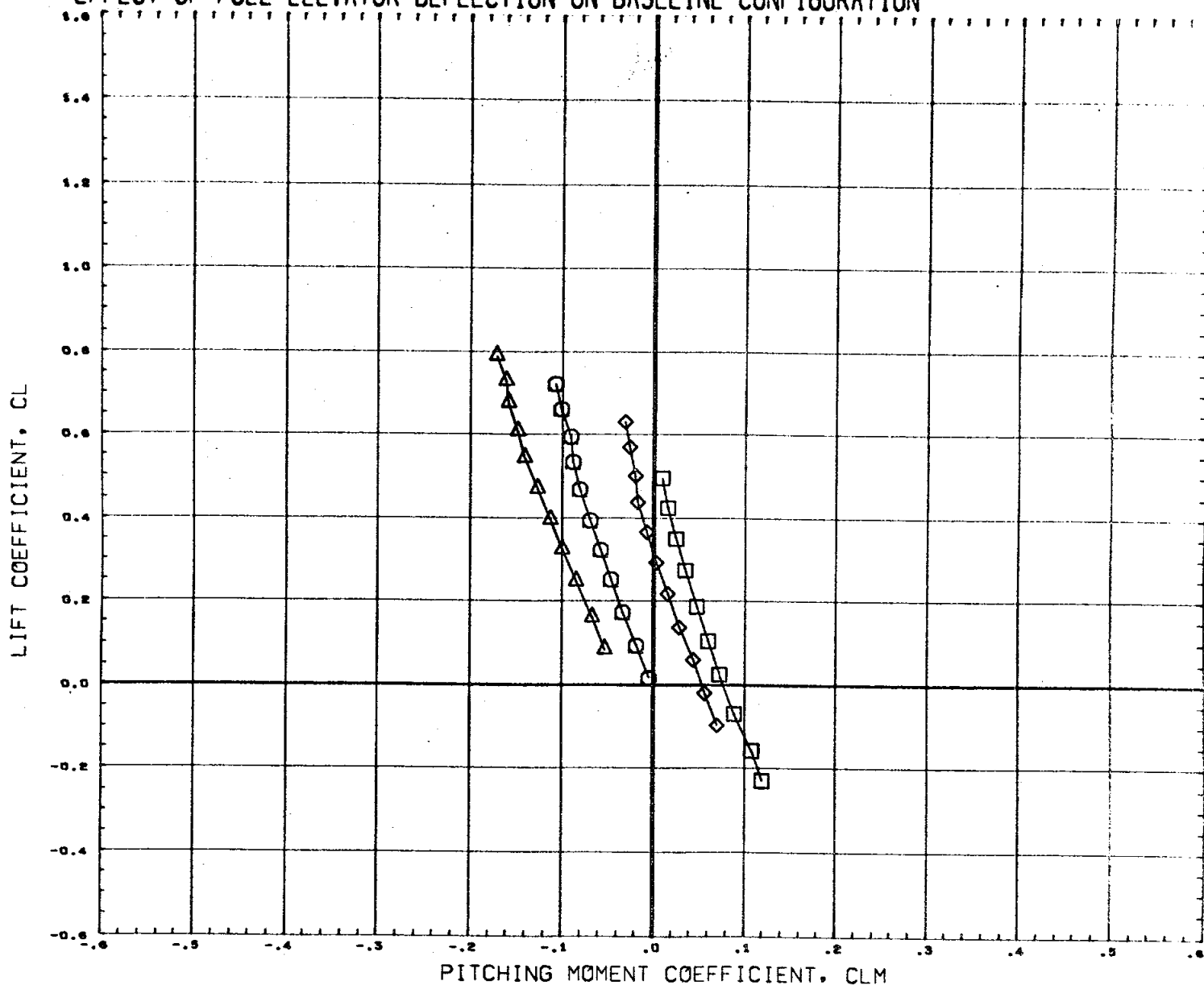


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76309)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	0.000	10.000	LREF	2.1020 IN.
(C76311)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	0.000	10.000	BREF	4.0300 IN.
(C76314)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	-40.000	0.000	10.000	XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

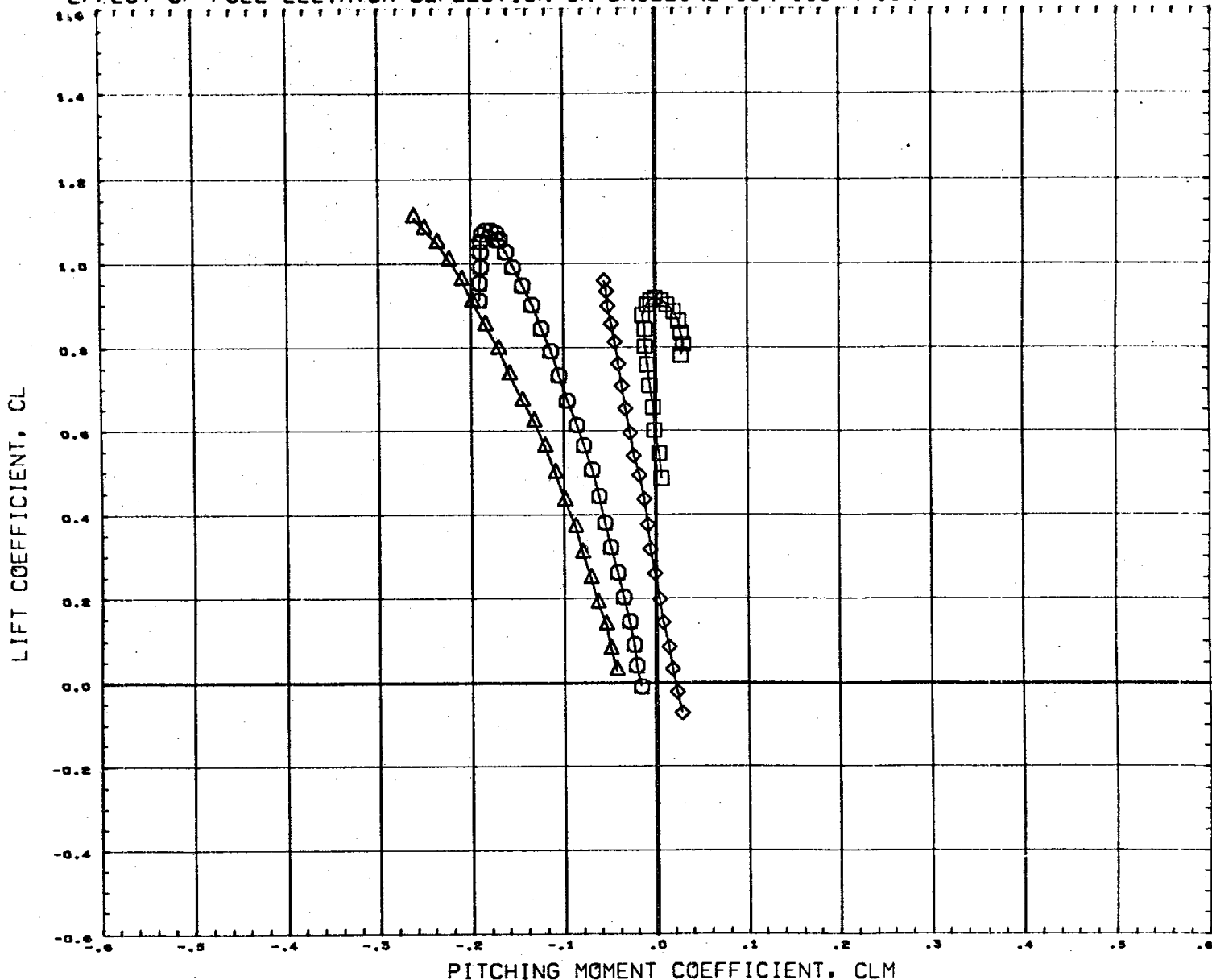
MACH 1.20

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EFFECT OF FULL ELEVATOR DEFLECTION ON BASELINE CONFIGURATION



EFFECT OF FULL ELEVATOR DEFLECTION ON BASELINE CONFIGURATION

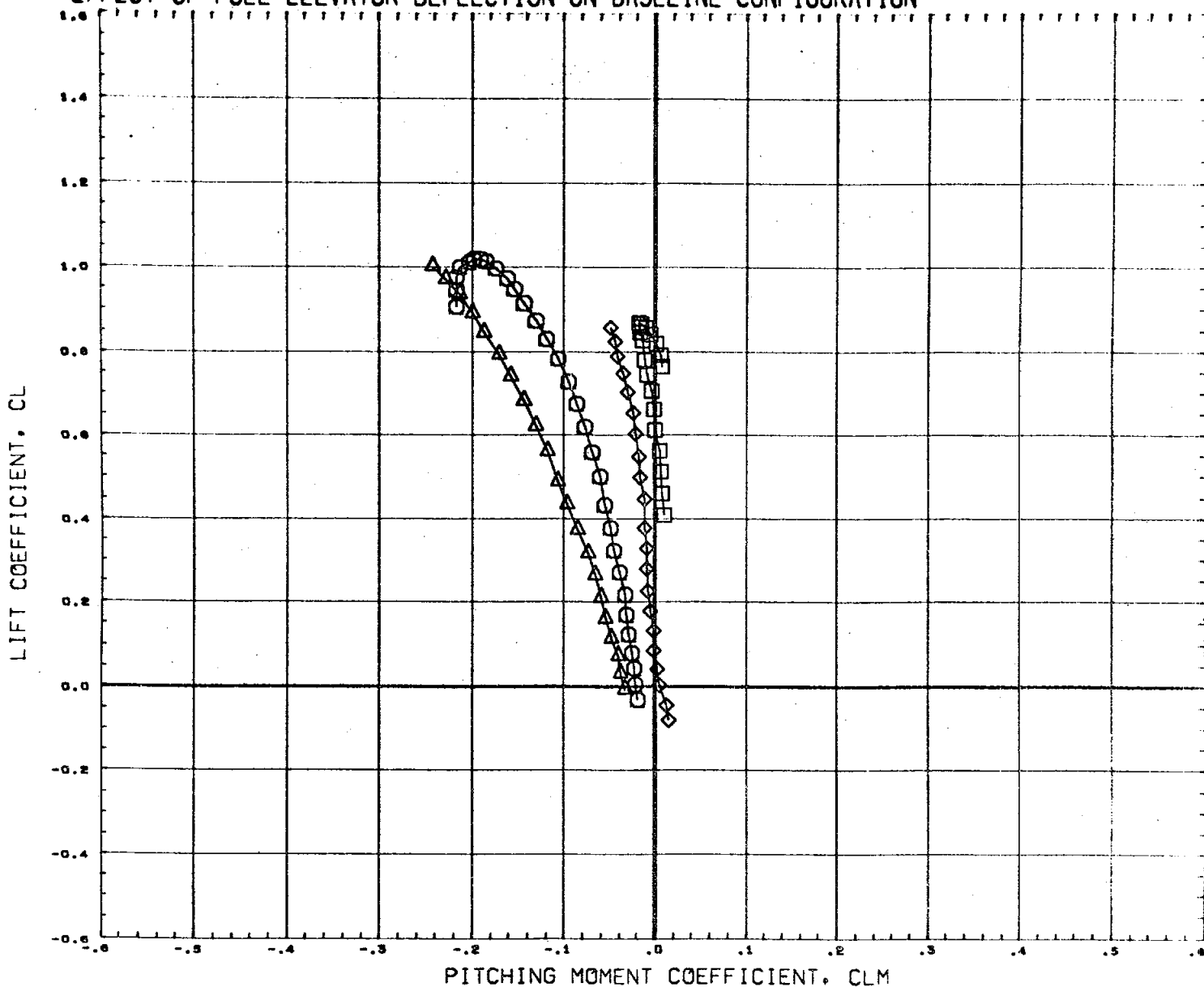


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION		
(C76308)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190	SQ. IN.
(C76309)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	0.000	10.000	LREF	2.1020	IN.
(C76311)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	0.000	10.000	BREF	4.0300	IN.
(C76314)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-40.000	0.000	10.000	XMRP	3.4330	IN.
						YMRP	0.0000	IN.
						ZMRP	0.0000	IN.
						SCALE	0.0040	

MACH 2.99

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EFFECT OF FULL ELEVATOR DEFLECTION ON BASELINE CONFIGURATION

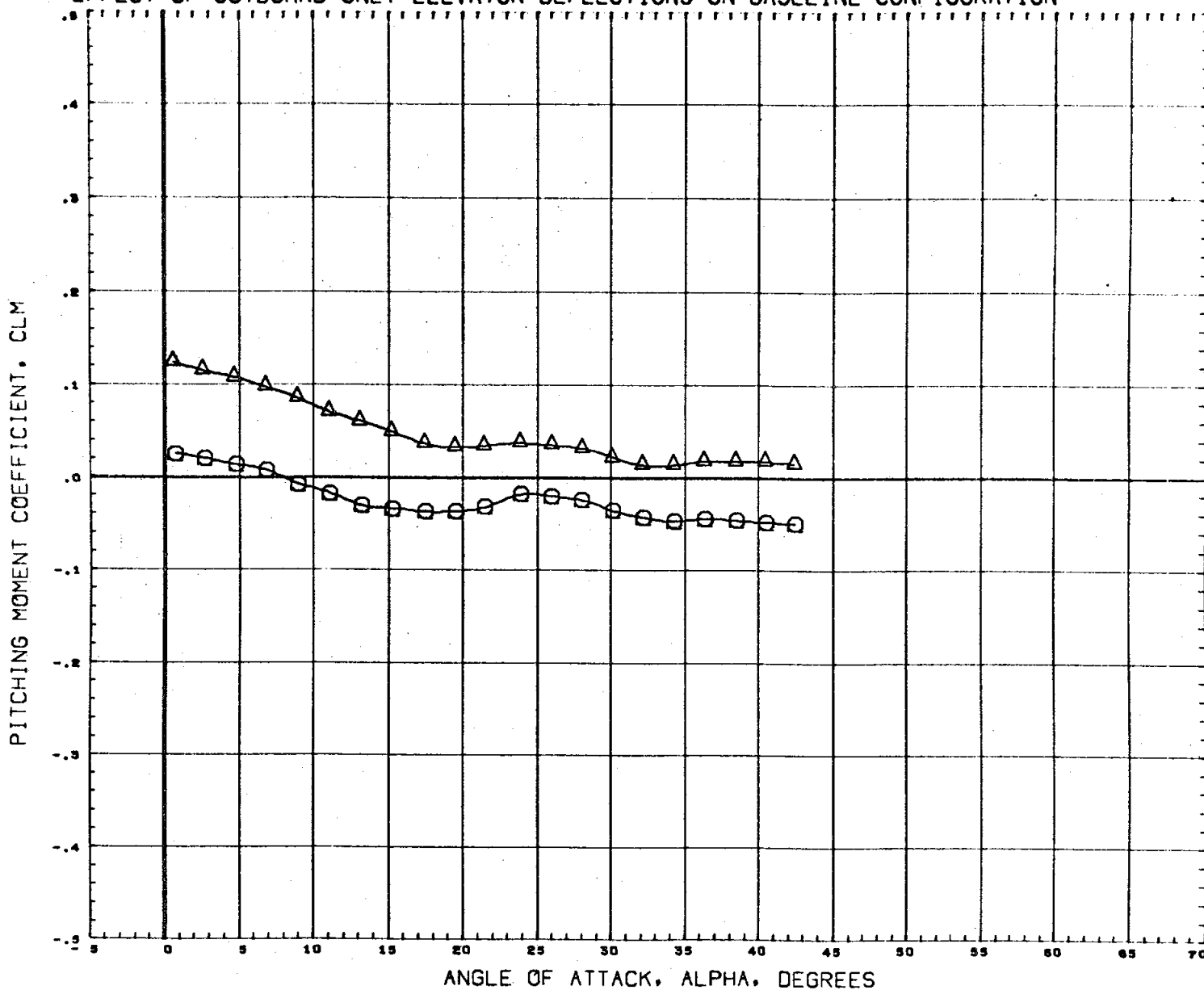


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76809)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	0.000	10.000	LREF	2.1020 IN.
(C76511)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	0.000	10.000	BREF	4.0300 IN.
(C76514)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-40.000	0.000	10.000	XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 4.96

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EFFECT OF OUTBOARD ONLY ELEVATOR DEFLECTIONS ON BASELINE CONFIGURATION



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
(C76517)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

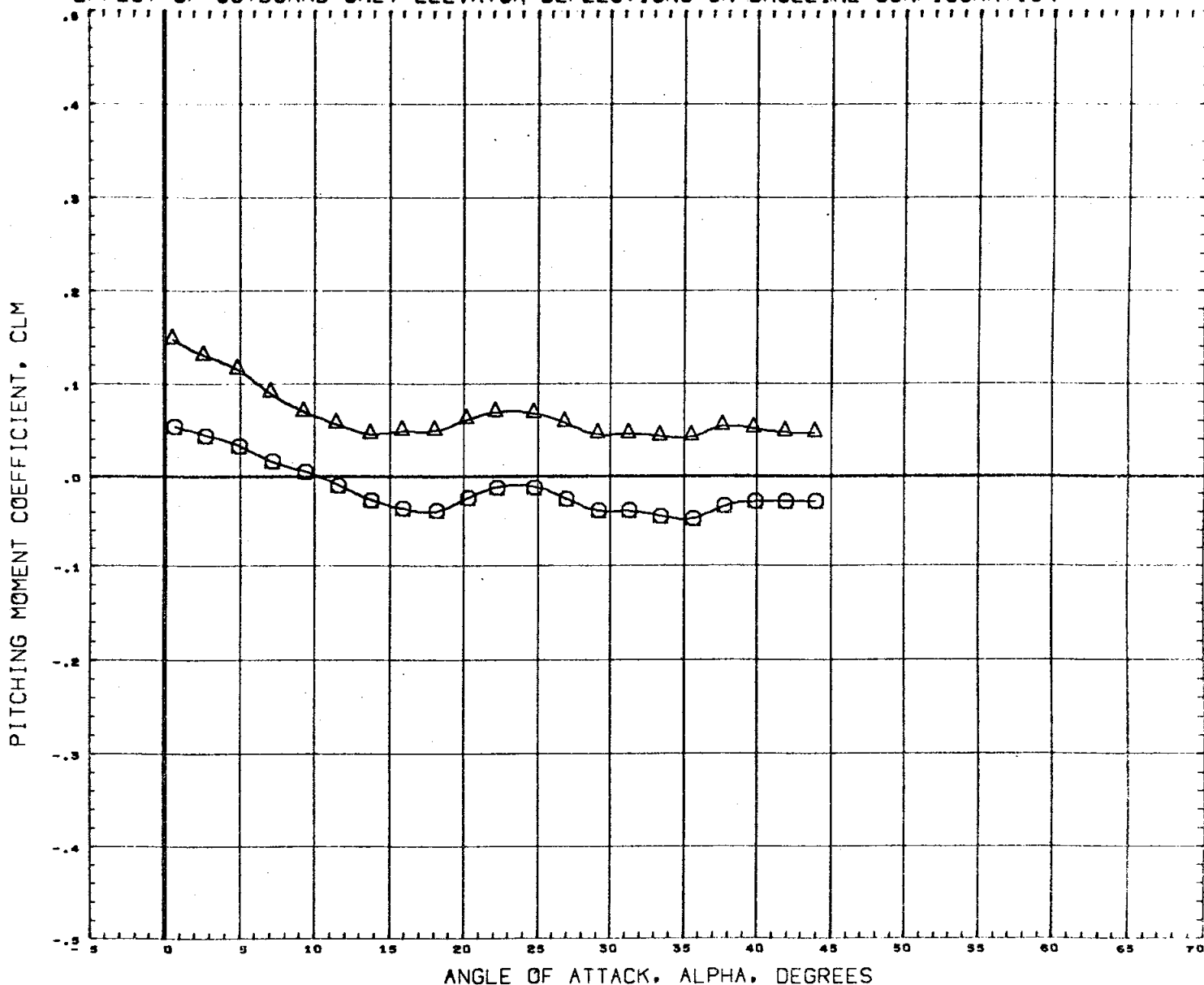
BETA	OBDELV	RUDFLR
0.000	0.000	10.000
0.000	-20.000	10.000

REFERENCE INFORMATION	
SREF	7.4190 SQ. IN.
LREF	2.1020 IN.
BREF	4.0300 IN.
XMRP	3.4530 IN.
YMRP	0.0000 IN.
ZMRP	0.0000 IN.
SCALE	0.0040

MACH .59

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EFFECT OF OUTBOARD ONLY ELEVATOR DEFLECTIONS ON BASELINE CONFIGURATION



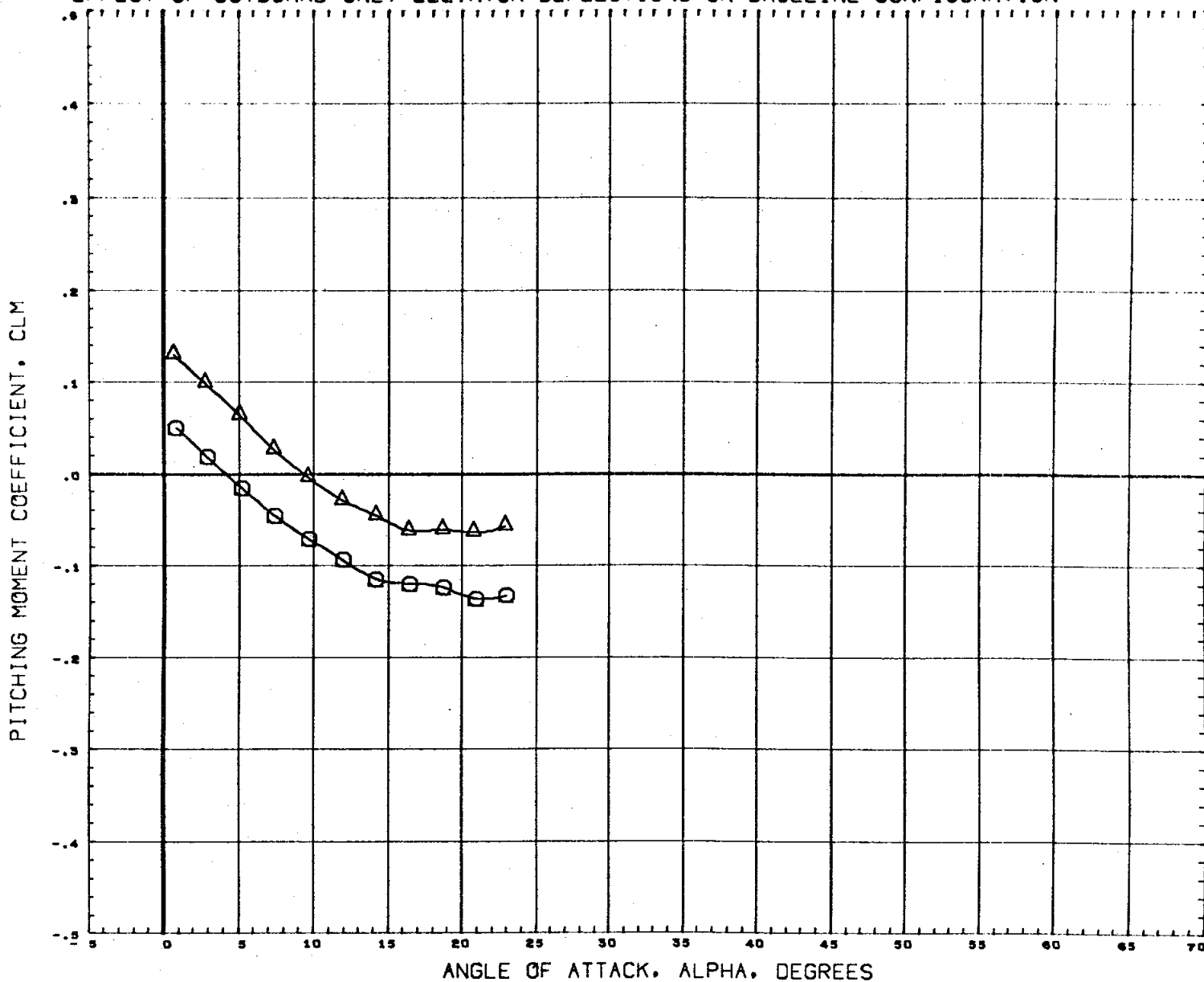
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDELV	RUDFLR
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000
(C76317)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	10.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH .90

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EFFECT OF OUTBOARD ONLY ELEVATOR DEFLECTIONS ON BASELINE CONFIGURATION



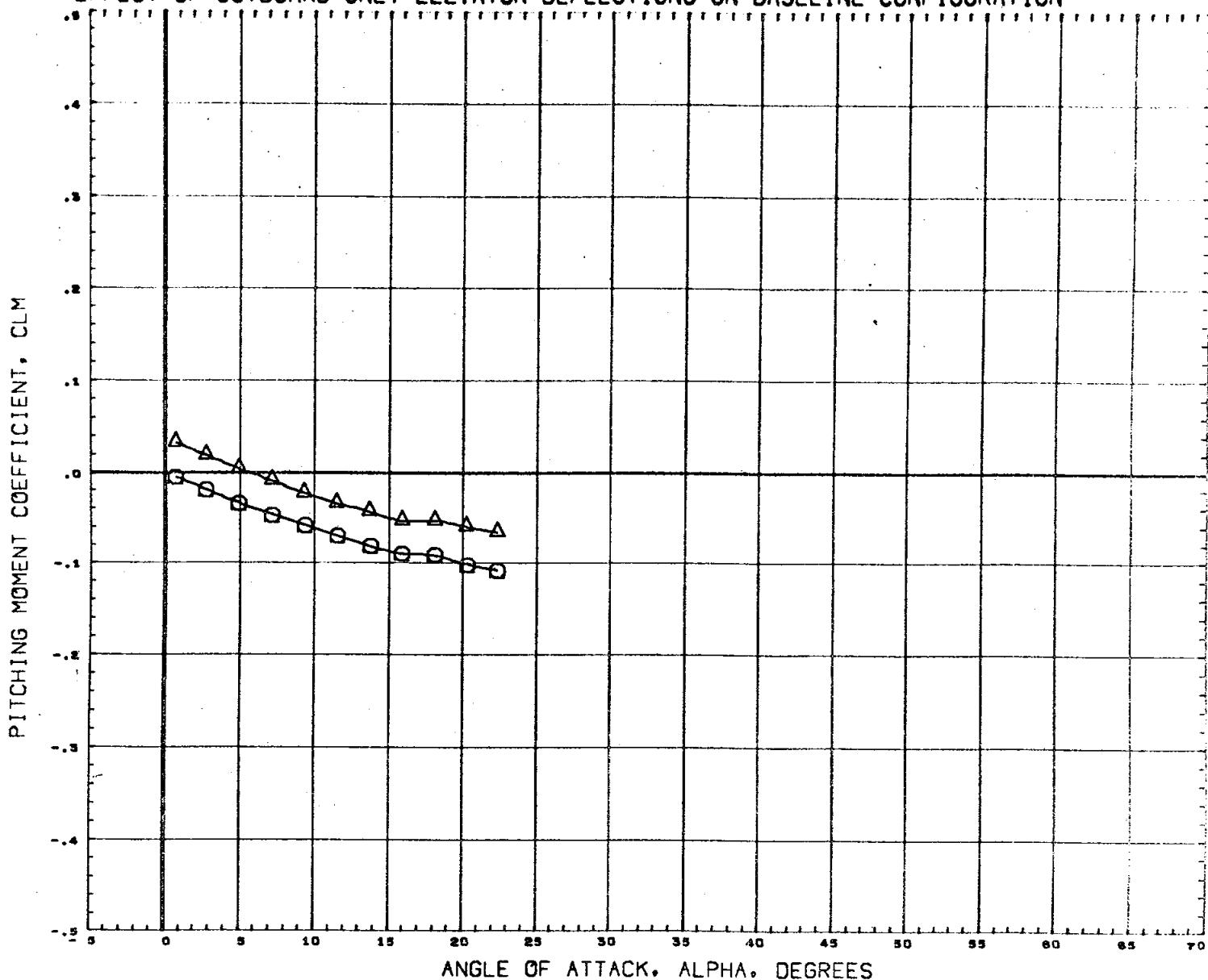
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDELV	RUDFLR
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000
(C76317)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	10.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 1.20

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EFFECT OF OUTBOARD ONLY ELEVATOR DEFLECTIONS ON BASELINE CONFIGURATION



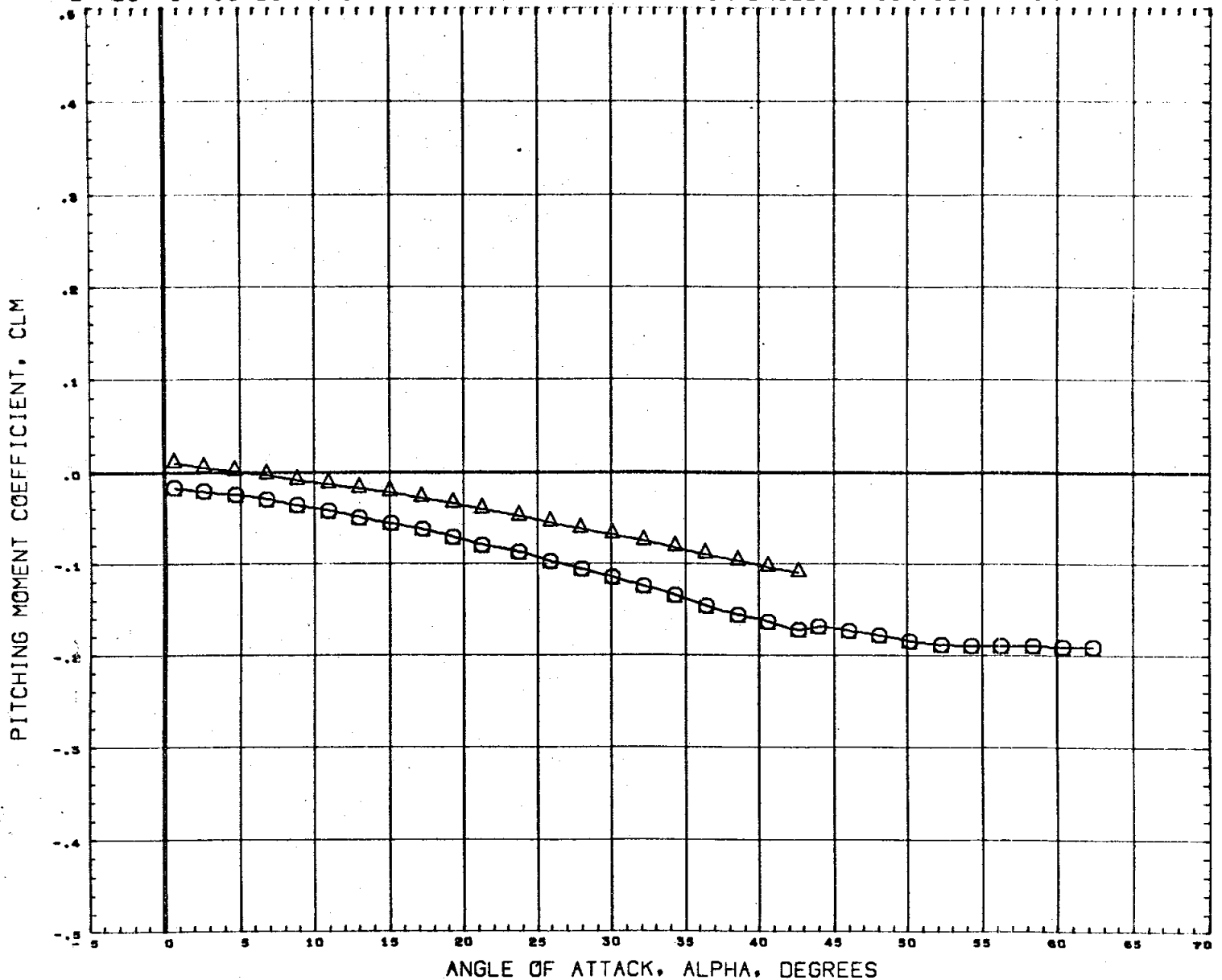
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDELV	RUDFLR
(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000
(C76517)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	10.000

REFERENCE INFORMATION		
SREF	7.4190	50. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 1.97

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EFFECT OF OUTBOARD ONLY ELEVATOR DEFLECTIONS ON BASELINE CONFIGURATION

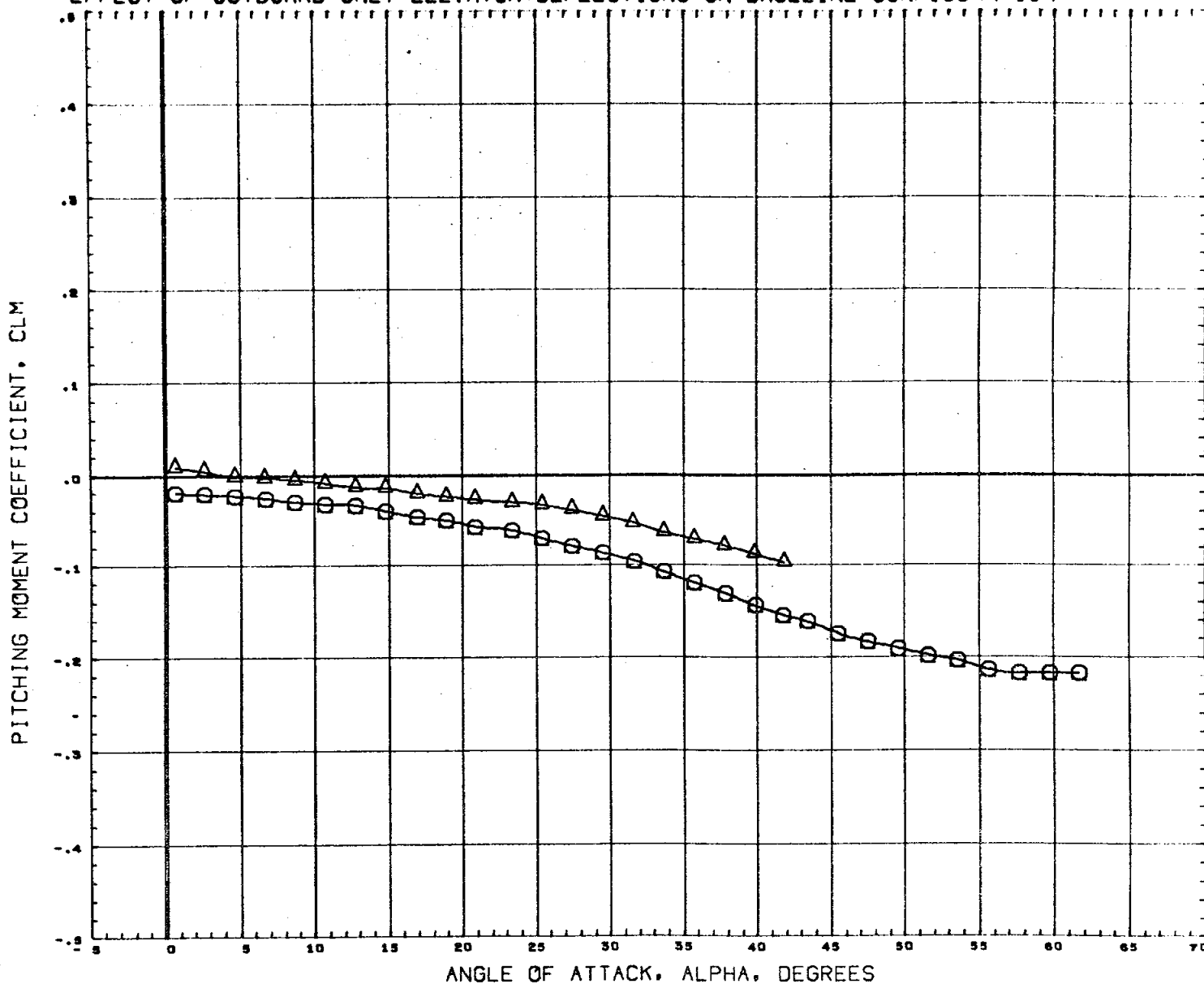


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDELV	RUDFLR	REFERENCE INFORMATION	
(C76308)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76317)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	10.000	LREF	2.1020 IN.
					BREF	4.0300 IN.
					XMRF	3.4530 IN.
					YMRF	0.0000 IN.
					ZMRF	0.0000 IN.
					SCALE	0.0040

MACH 2.99

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EFFECT OF OUTBOARD ONLY ELEVATOR DEFLECTIONS ON BASELINE CONFIGURATION



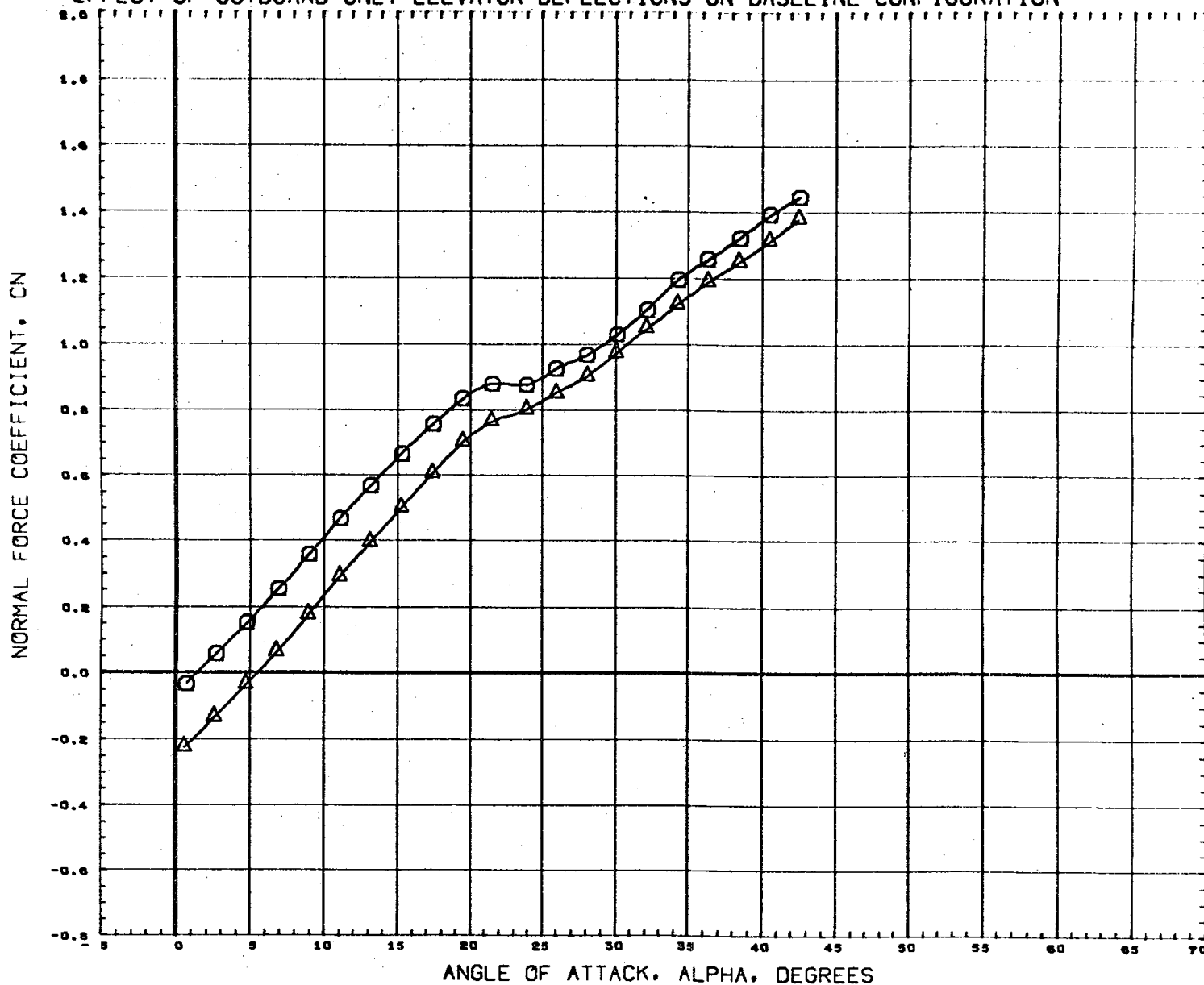
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDELV	RUDFLR
(C7630S)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000
(C76317)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	10.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 4.96

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EFFECT OF OUTBOARD ONLY ELEVATOR DEFLECTIONS ON BASELINE CONFIGURATION



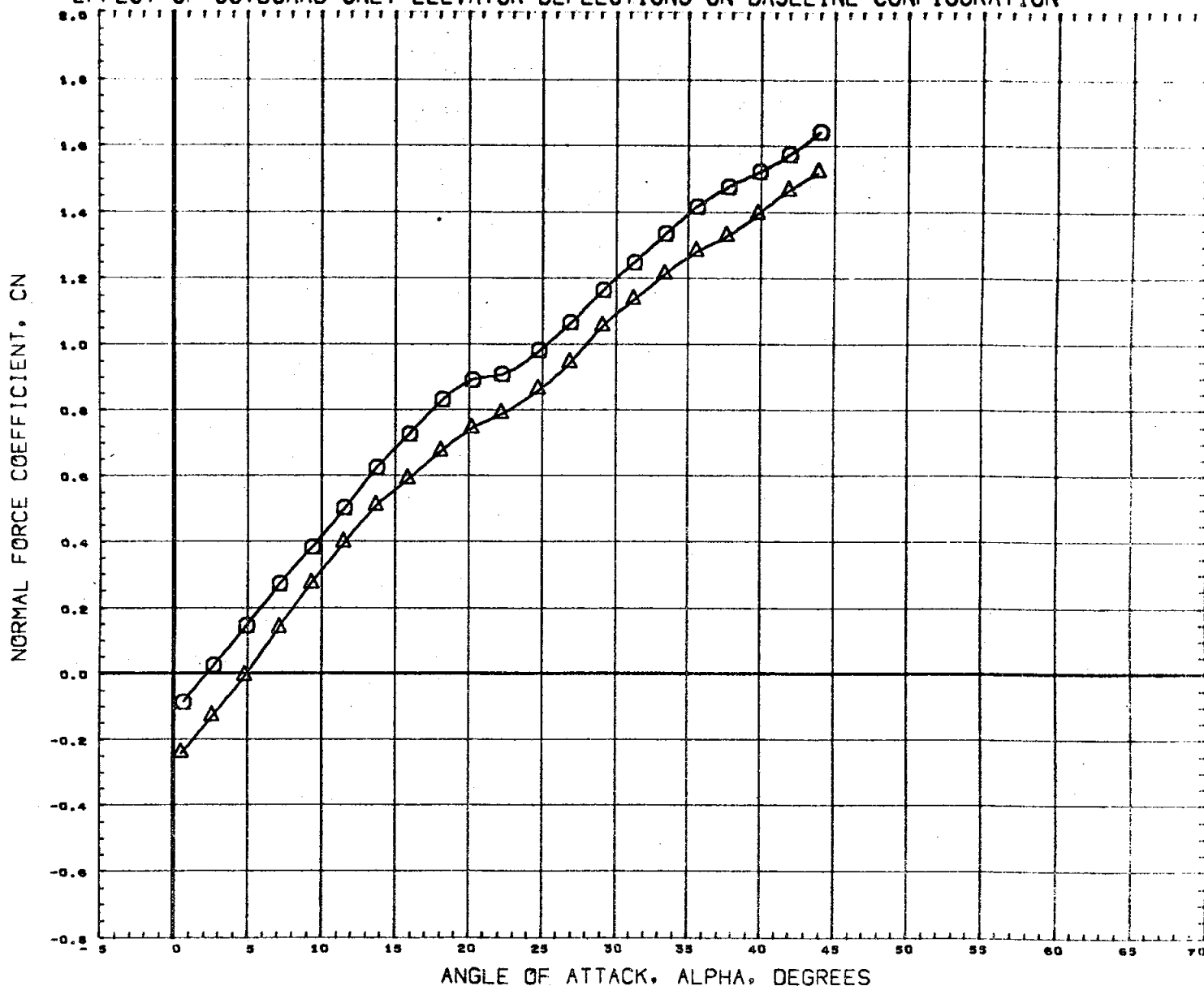
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDELV	RUDFLR
(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000
(C76317)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	10.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	


MACH .59


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EFFECT OF OUTBOARD ONLY ELEVATOR DEFLECTIONS ON BASELINE CONFIGURATION



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(C76305)  M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

(C76317)  M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

BETA OBDELV RUDFLR

0.000 0.000 10.000

0.000 -20.000 10.000

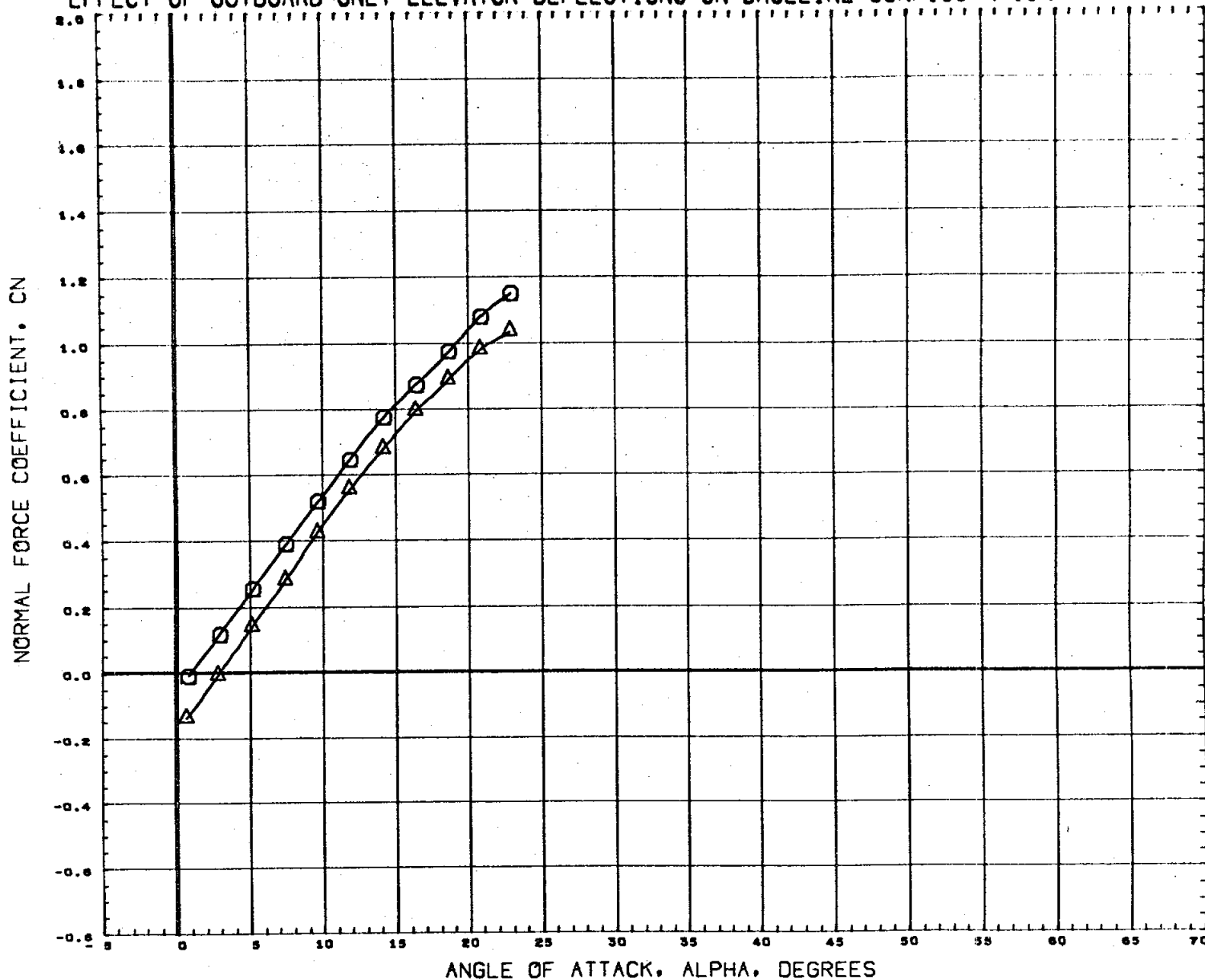
REFERENCE INFORMATION

SREF 7.4190 SQ. IN.
LREF 2.1020 IN.
BREF 4.0300 IN.
XMRP 3.4530 IN.
YMRP 0.0000 IN.
ZMRP 0.0000 IN.
SCALE 0.0040

MACH .90

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EFFECT OF OUTBOARD ONLY ELEVATOR DEFLECTIONS ON BASELINE CONFIGURATION



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
(C76317)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

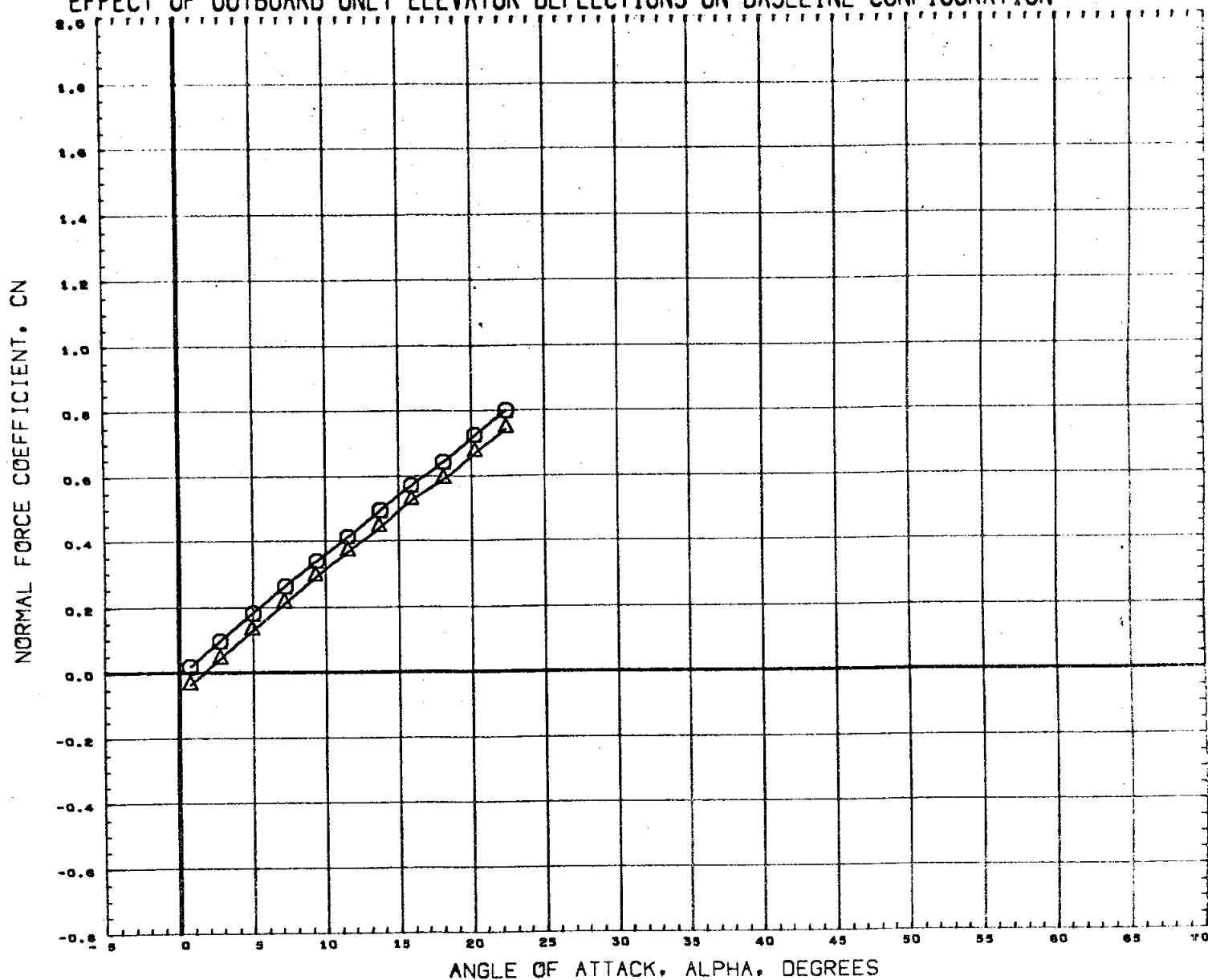
BETA	OBDELV	RUDFLR
0.000	0.000	10.000
0.000	-20.000	10.000

REFERENCE INFORMATION		
SREF	7.4190	50. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 1.20

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EFFECT OF OUTBOARD ONLY ELEVATOR DEFLECTIONS ON BASELINE CONFIGURATION



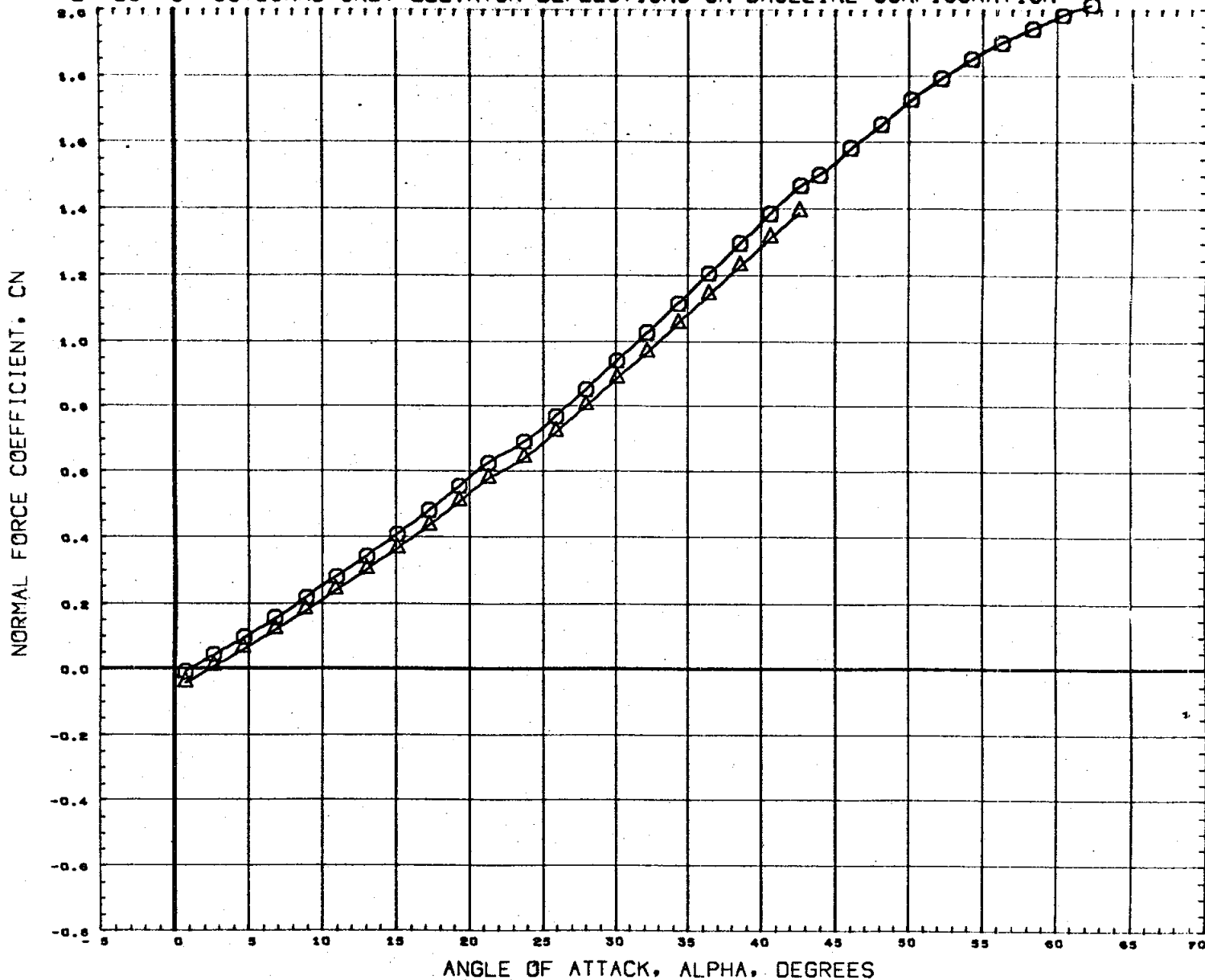
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDELV	RUDFLR
(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000
(C76317)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	10.000

REFERENCE INFORMATION		
SREF	7.4190	SG. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 1.97

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EFFECT OF OUTBOARD ONLY ELEVATOR DEFLECTIONS ON BASELINE CONFIGURATION



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(C76303) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

(C76317) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

BETA	OBDELV	RUDFLR
0.000	0.000	10.000
0.000	-20.000	10.000

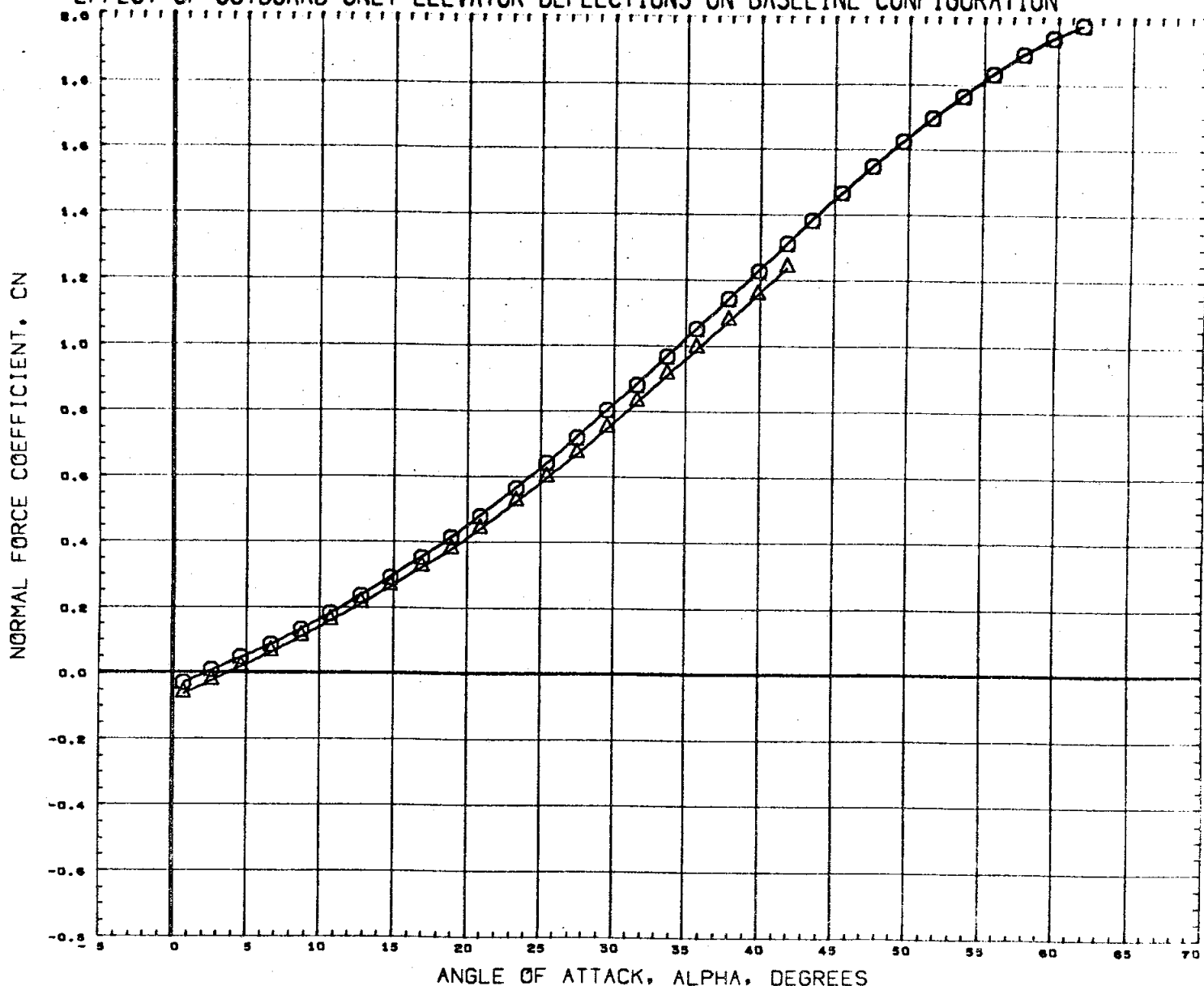
REFERENCE INFORMATION

SREF	7.4190	50. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 2.99

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EFFECT OF OUTBOARD ONLY ELEVATOR DEFLECTIONS ON BASELINE CONFIGURATION



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(C76305) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

(C76317) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

BETA OBDELV RUOFLR

0.000 0.000 10.000

0.000 -20.000 10.000

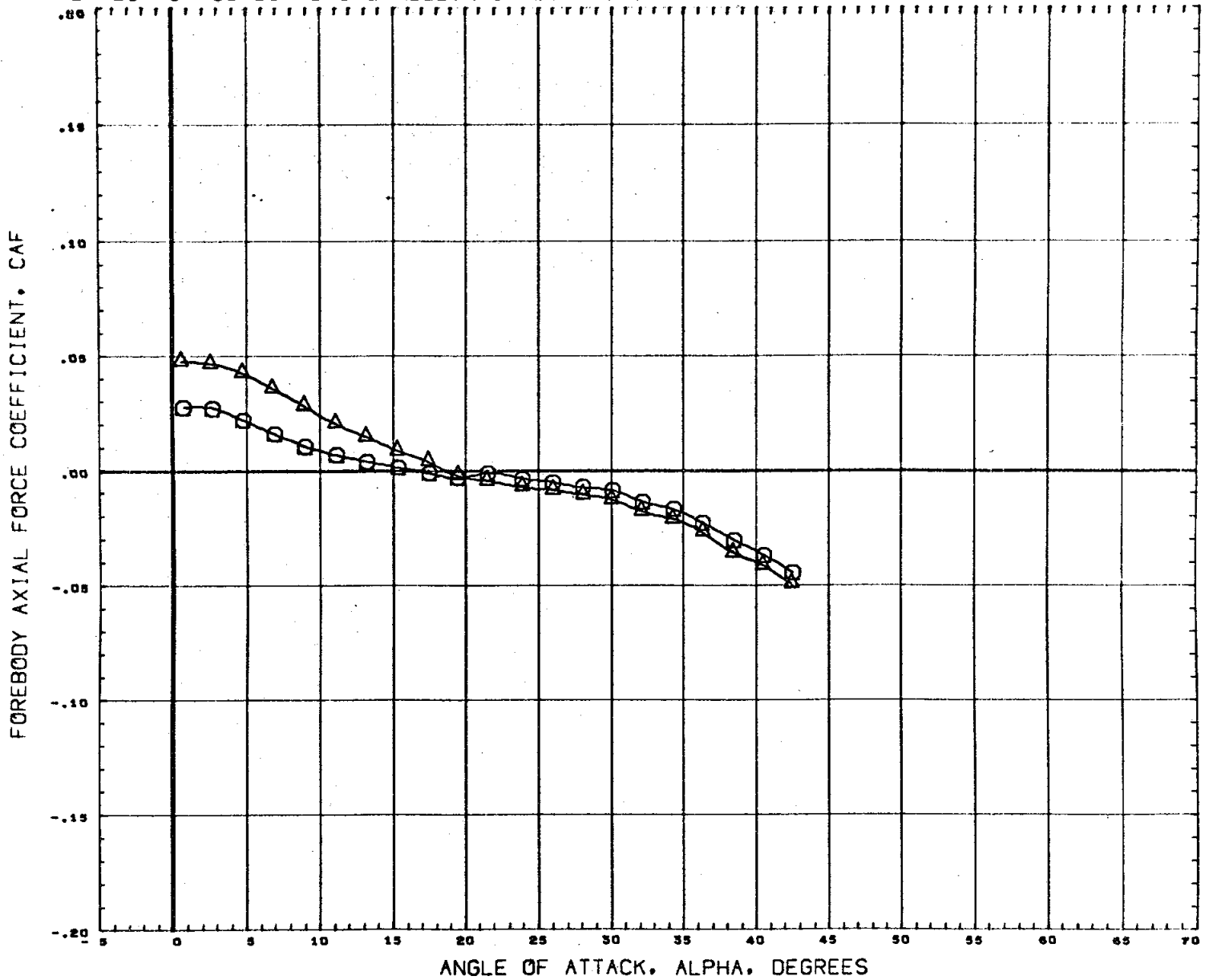
REFERENCE INFORMATION

SREF 7.4190 SQ. IN.
LREF 2.1020 IN.
BREF 4.0300 IN.
XMRP 3.4530 IN.
YMRP 0.0000 IN.
ZMRP 0.0000 IN.
SCALE 0.0040

MACH 4.96

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EFFECT OF OUTBOARD ONLY ELEVATOR DEFLECTIONS ON BASELINE CONFIGURATION

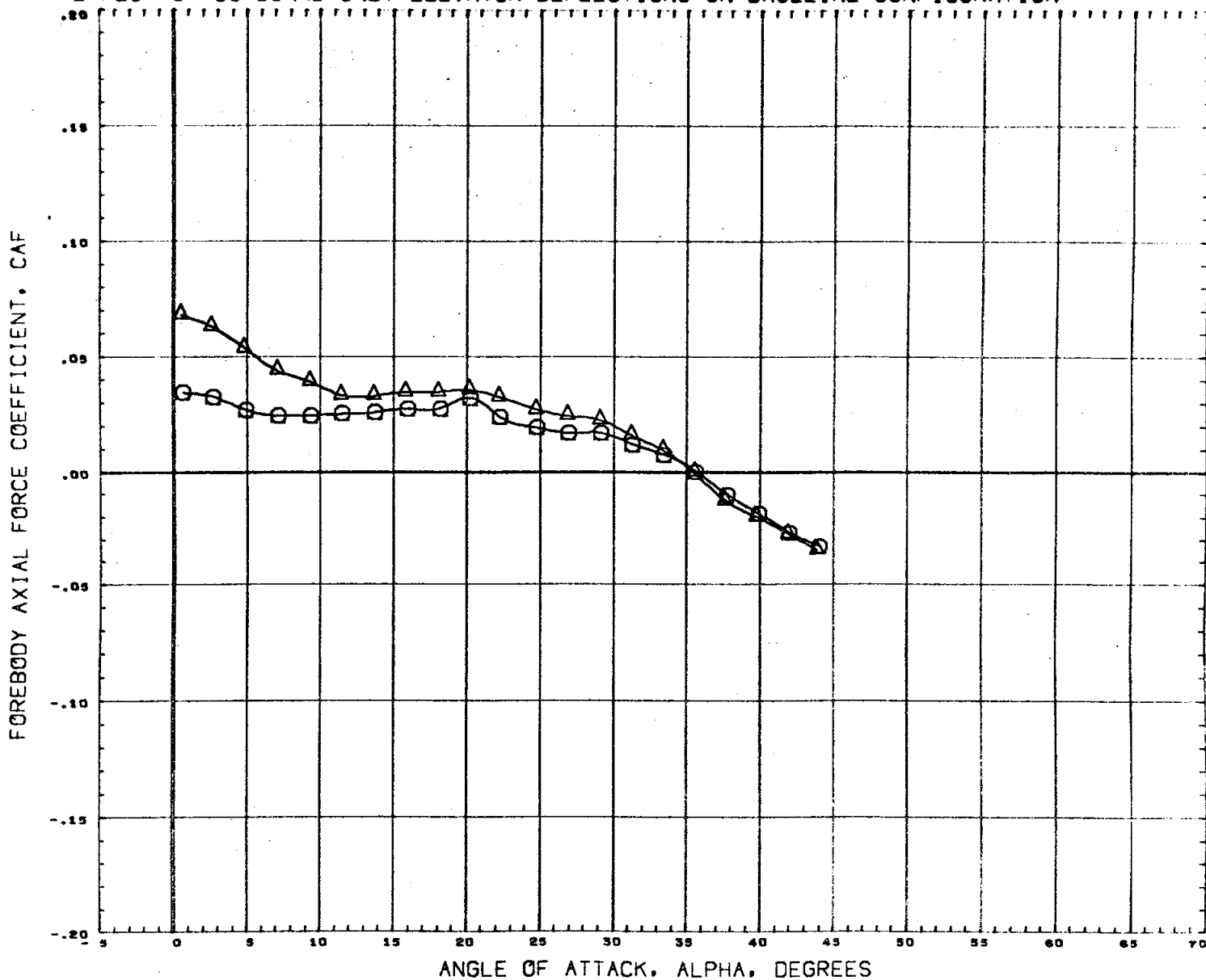


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDELV	RUDFLR	REFERENCE INFORMATION	
(C76303)	M555 (FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76317)	M555 (FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	10.000	LREF	2.1020 IN.
					BREF	4.0300 IN.
					XMRP	3.4530 IN.
					YMRP	0.0000 IN.
					ZMRP	0.0000 IN.
					SCALE	0.0040

MACH .59

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EFFECT OF OUTBOARD ONLY ELEVATOR DEFLECTIONS ON BASELINE CONFIGURATION



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(C76305) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

(C76317) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

BETA OBDELV RUDFLR

0.000 0.000 10.000

0.000 -20.000 10.000

REFERENCE INFORMATION

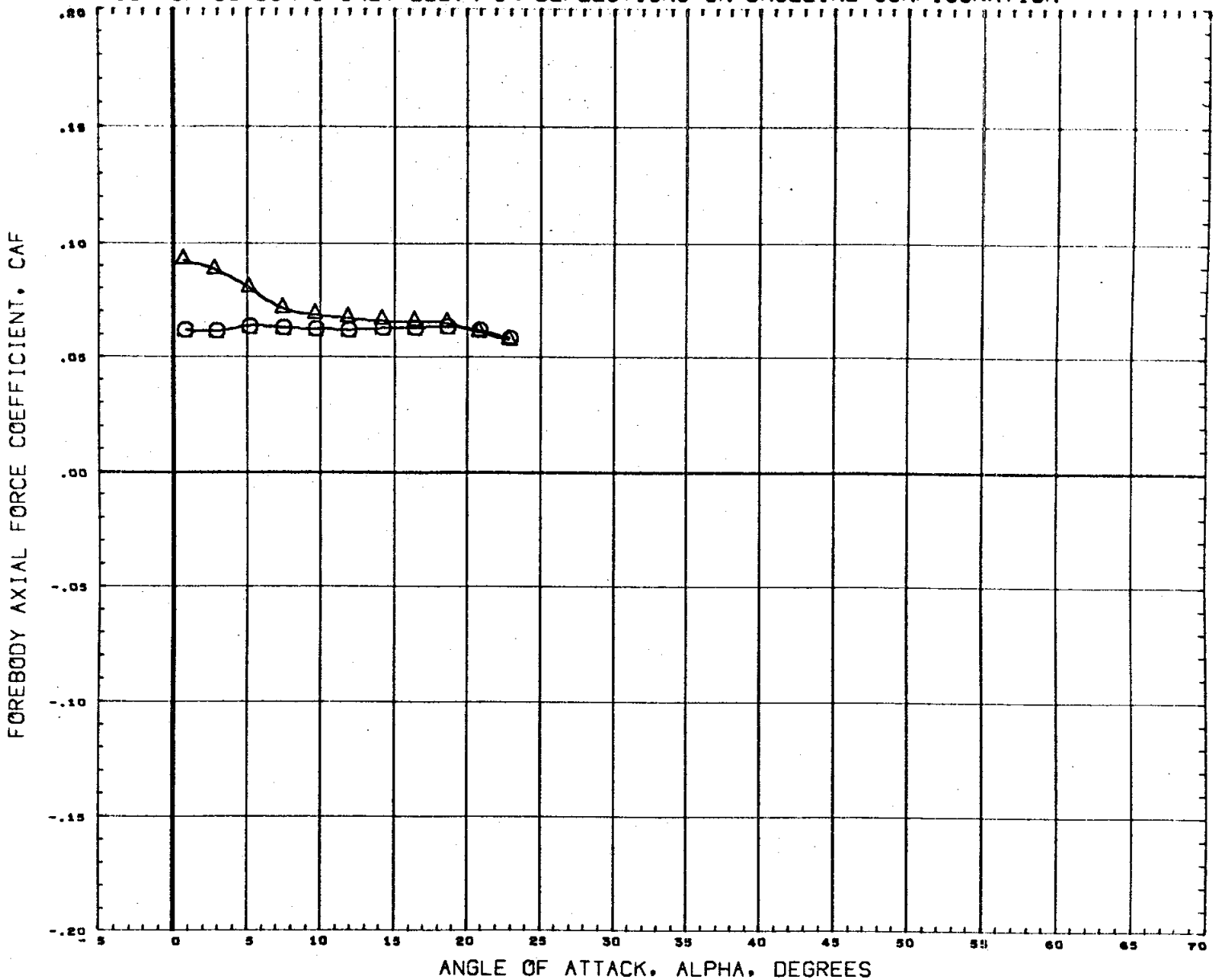
SREF 7.4190 SQ. IN.
LREF 2.1020 IN.
BREF 4.0300 IN.
XMRP 3.4530 IN.
YMRP 0.0000 IN.
ZMRP 0.0000 IN.
SCALE 0.0040

MACH

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EFFECT OF OUTBOARD ONLY ELEVATOR DEFLECTIONS ON BASELINE CONFIGURATION



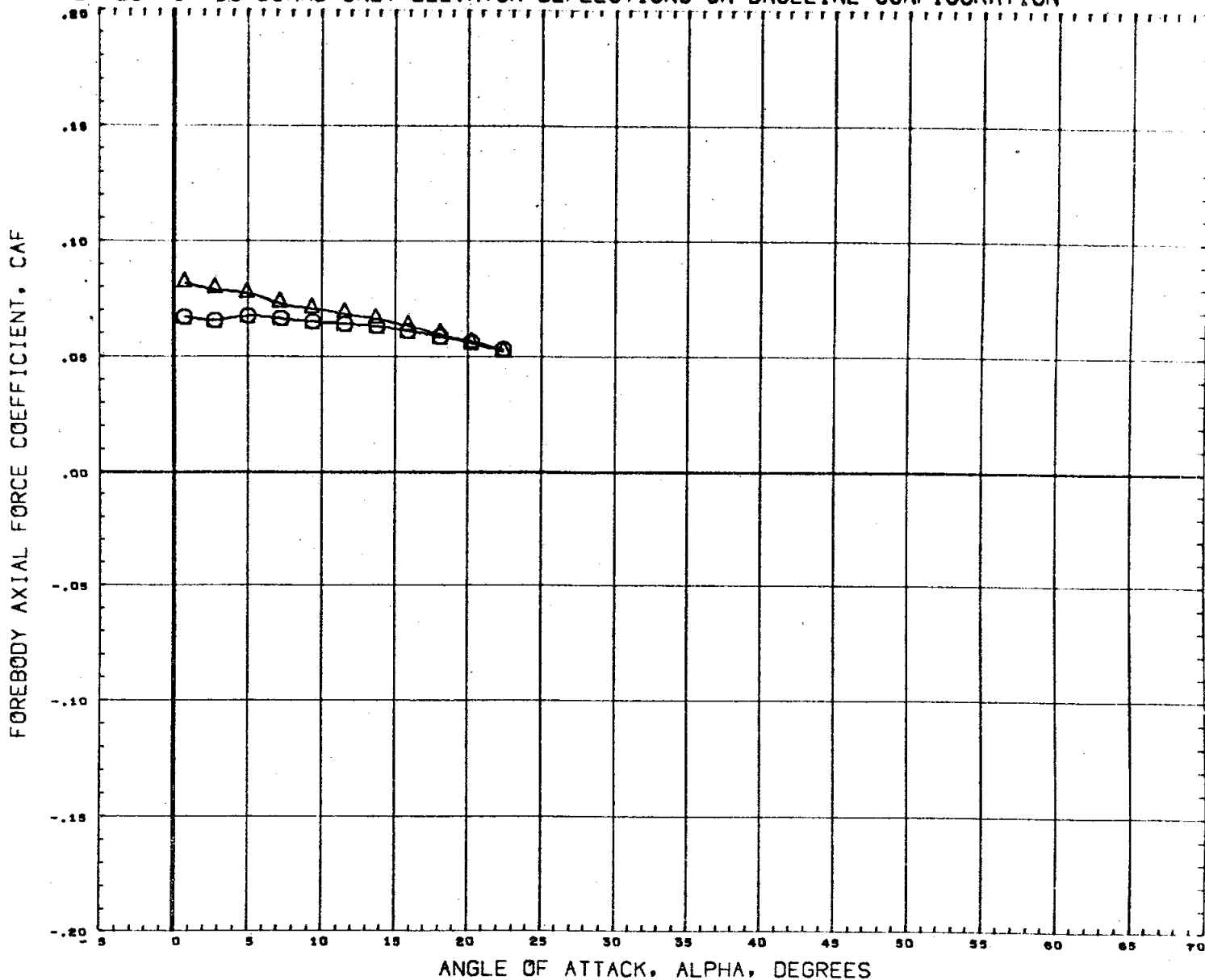
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDELV	RUDFLR
(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1H1) (W1E1) (V1K1R1)	0.000	0.000	10.000
(C76517)	M555 (FA3) NAR ATP ORB (B1C1D1F1H1) (W1E1) (V1K1R1)	0.000	-20.000	10.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 1.20

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EFFECT OF OUTBOARD ONLY ELEVATOR DEFLECTIONS ON BASELINE CONFIGURATION

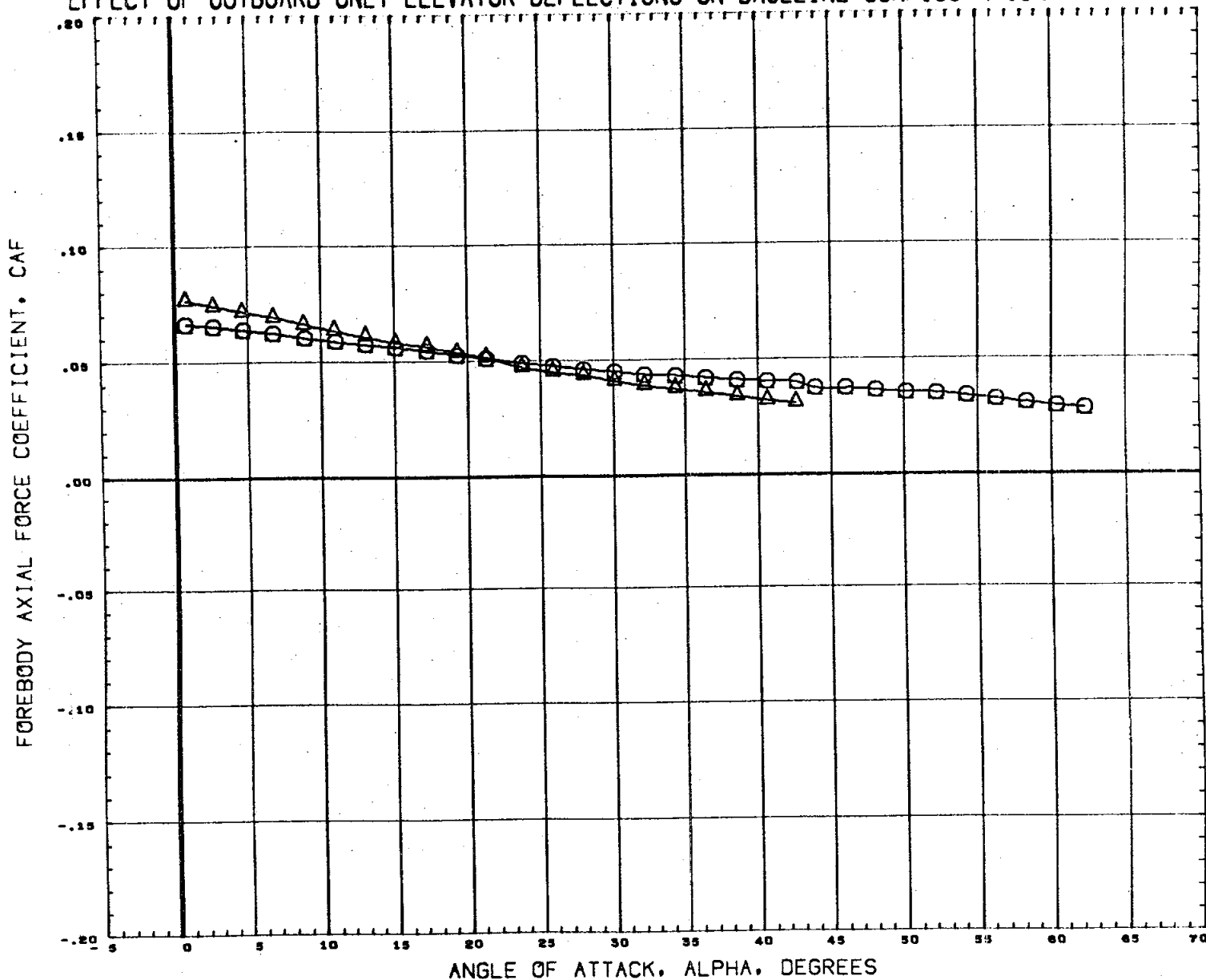


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDELV	RUDFLR	REFERENCE INFORMATION	
(C76308)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	SREF	7.4190 34. IN.
(C76817)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	10.000	LREF	2.1020 IN.
					BREF	4.0300 IN.
					XMRP	3.4530 IN.
					YMRP	0.0000 IN.
					ZMRP	0.0000 IN.
					SCALE	0.0040

MACH 1.97

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EFFECT OF OUTBOARD ONLY ELEVATOR DEFLECTIONS ON BASELINE CONFIGURATION



DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (C76303) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
 (C76317) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

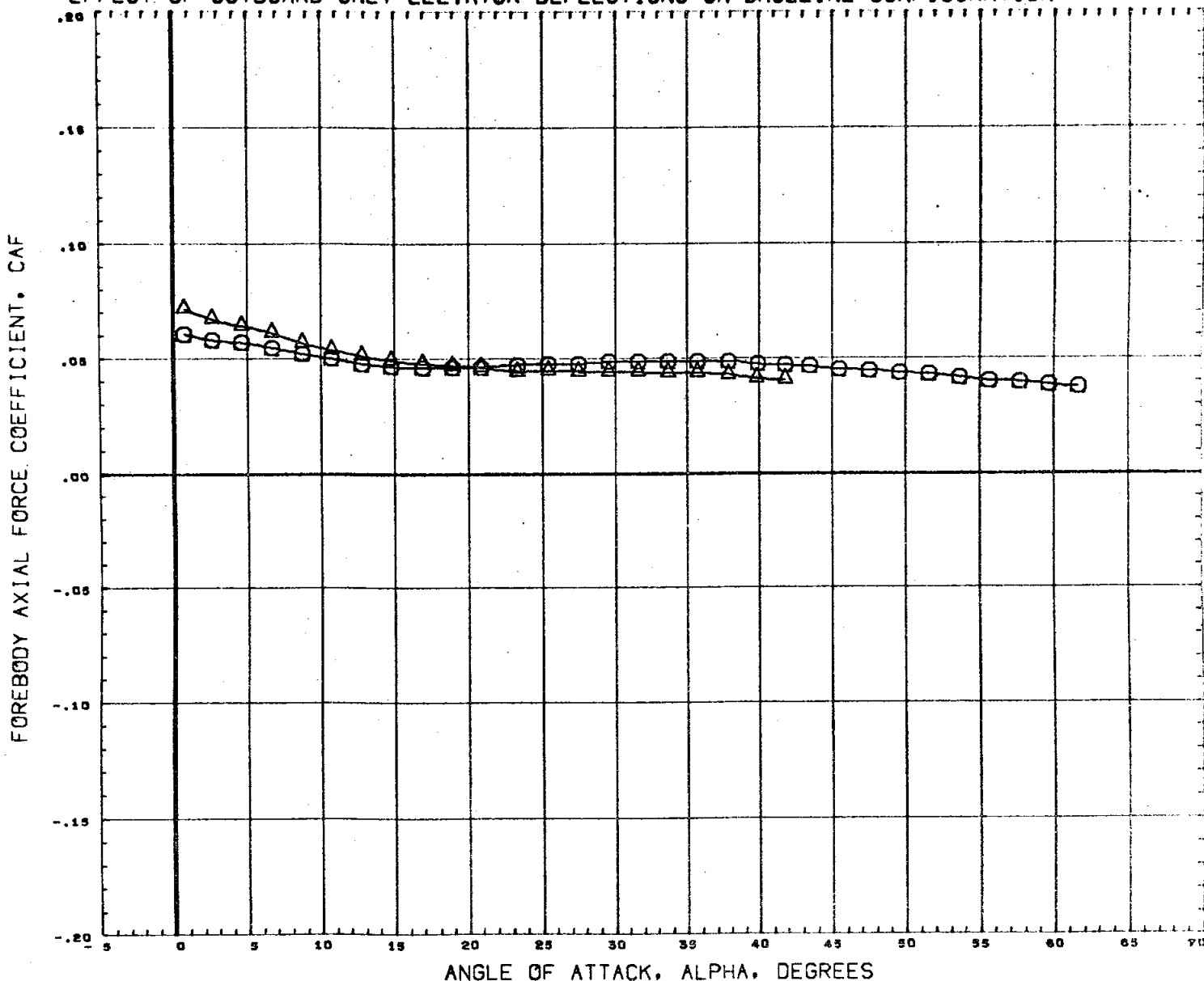
BETA	OBDELV	RUDFLR
0.000	0.000	10.000
0.000	-20.000	10.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 2.99

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EFFECT OF OUTBOARD ONLY ELEVATOR DEFLECTIONS ON BASELINE CONFIGURATION



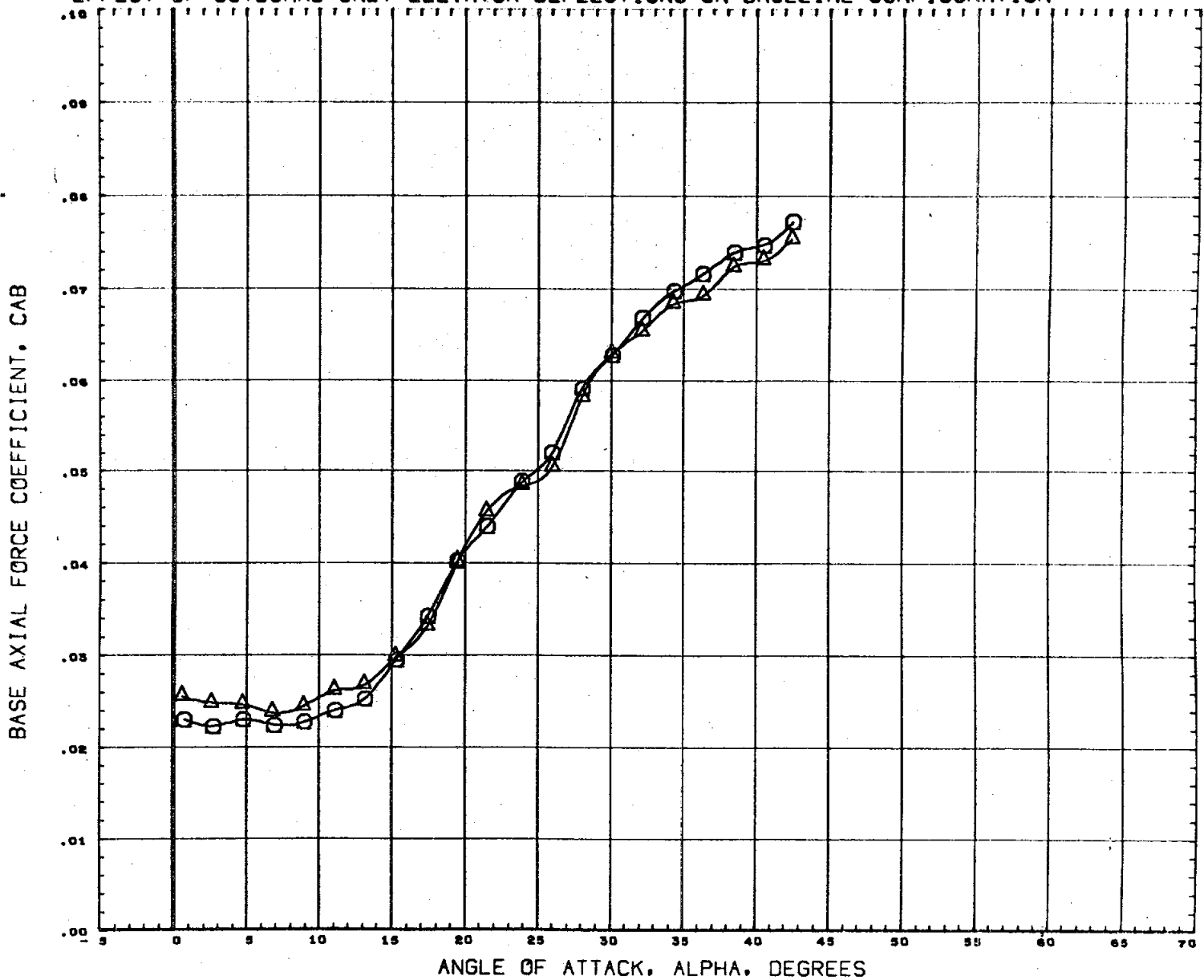
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDELV	RUDFLR
(C7630S)	M555(FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000
(C76S17)	M555(FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	10.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 4.96

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EFFECT OF OUTBOARD ONLY ELEVATOR DEFLECTIONS ON BASELINE CONFIGURATION



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDELV	RUDFLR
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000
(C76317)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	10.000

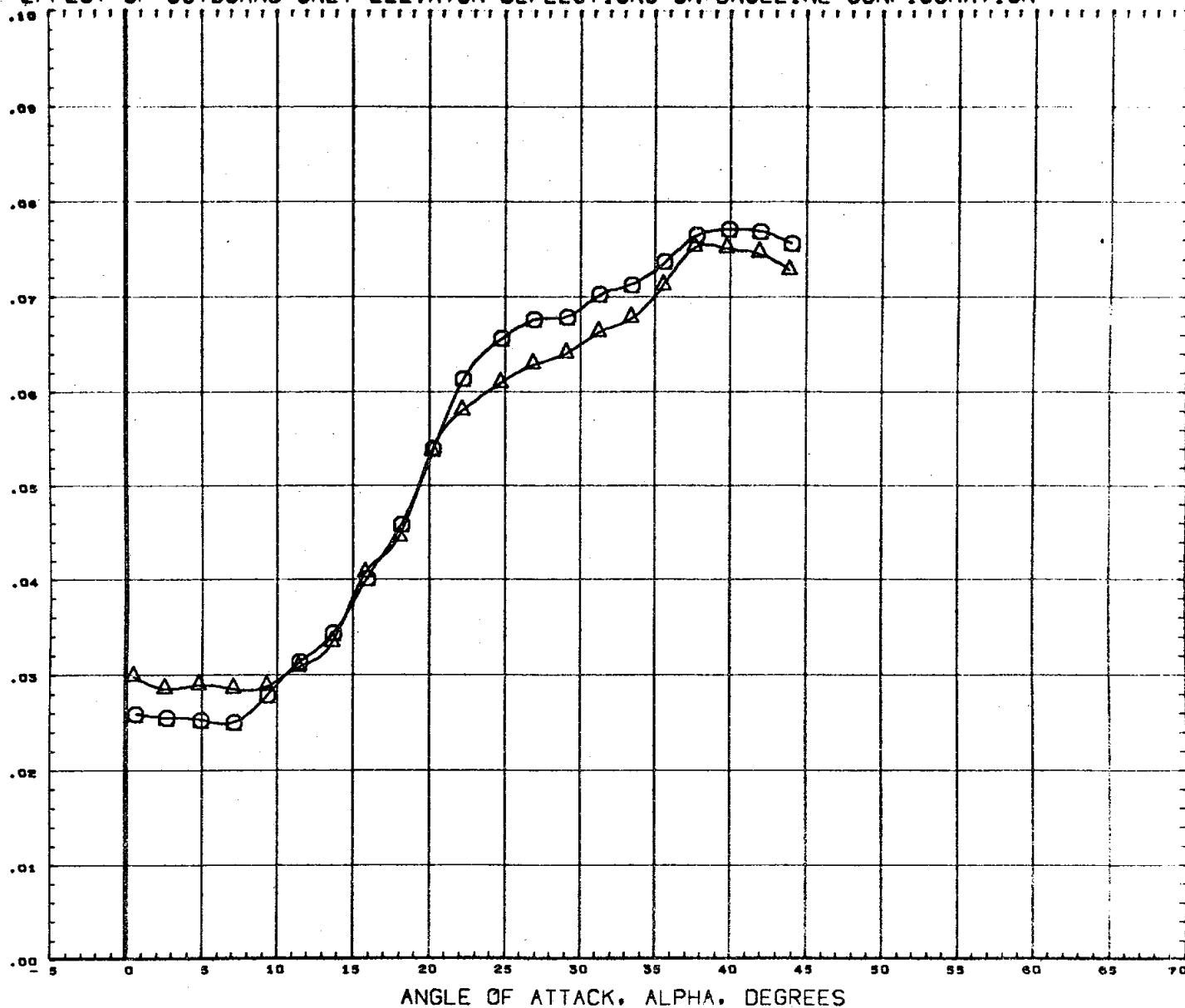
REFERENCE INFORMATION		
SREF	7.4190	sq. in.
LREF	2.1020	in.
BREF	4.0300	in.
YMRP	3.4530	in.
YMRP	0.0000	in.
ZMRP	0.0000	in.
SCALE	0.0040	

MACH .59

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EFFECT OF OUTBOARD ONLY ELEVATOR DEFLECTIONS ON BASELINE CONFIGURATION

BASE AXIAL FORCE COEFFICIENT, CAB



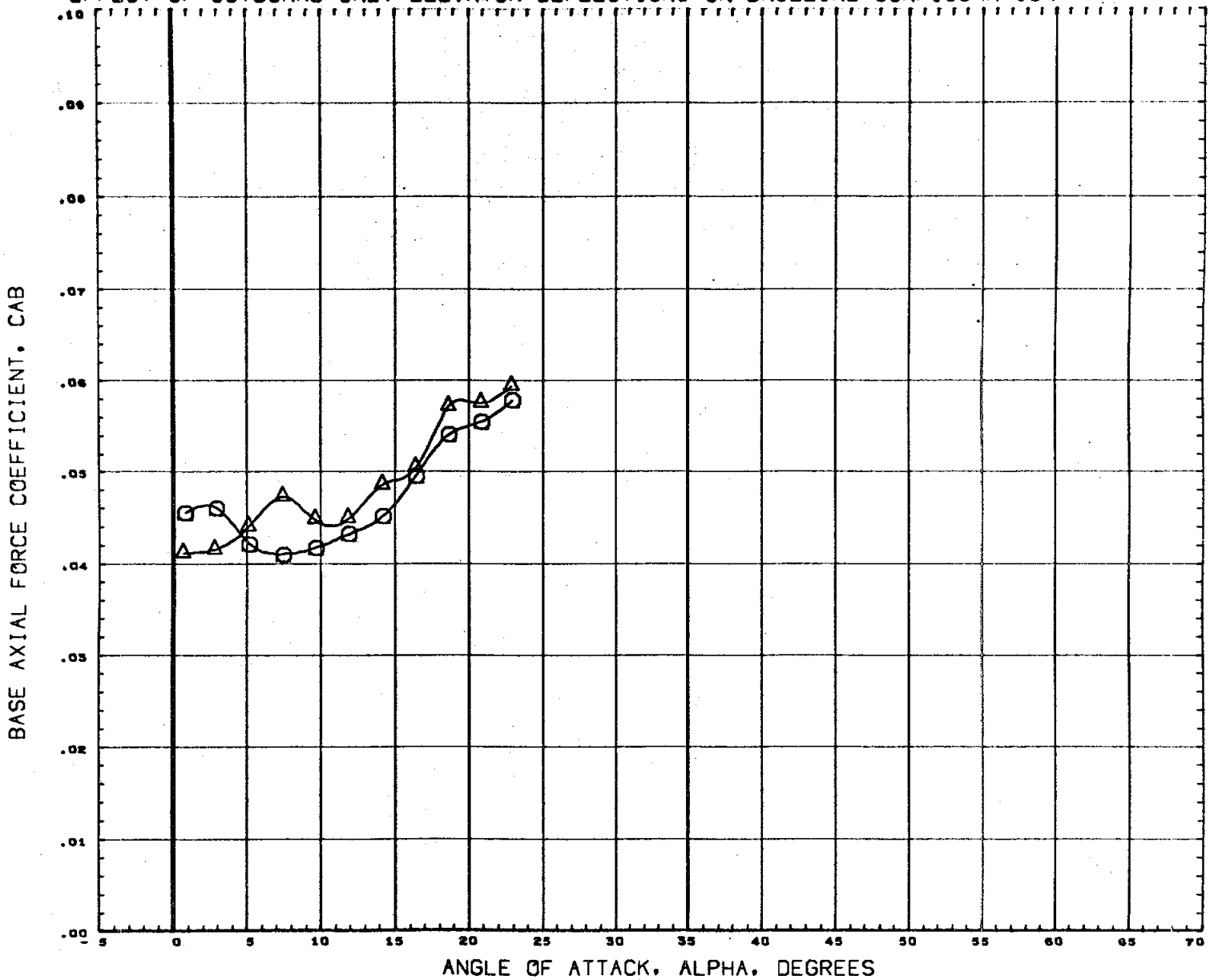
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDELV	RUDFLR
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000
(C76517)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	10.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMPP	3.4530	IN.
YMPP	0.0000	IN.
ZMPP	0.0000	IN.
SCALE	0.0040	

MACH .90

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EFFECT OF OUTBOARD ONLY ELEVATOR DEFLECTIONS ON BASELINE CONFIGURATION



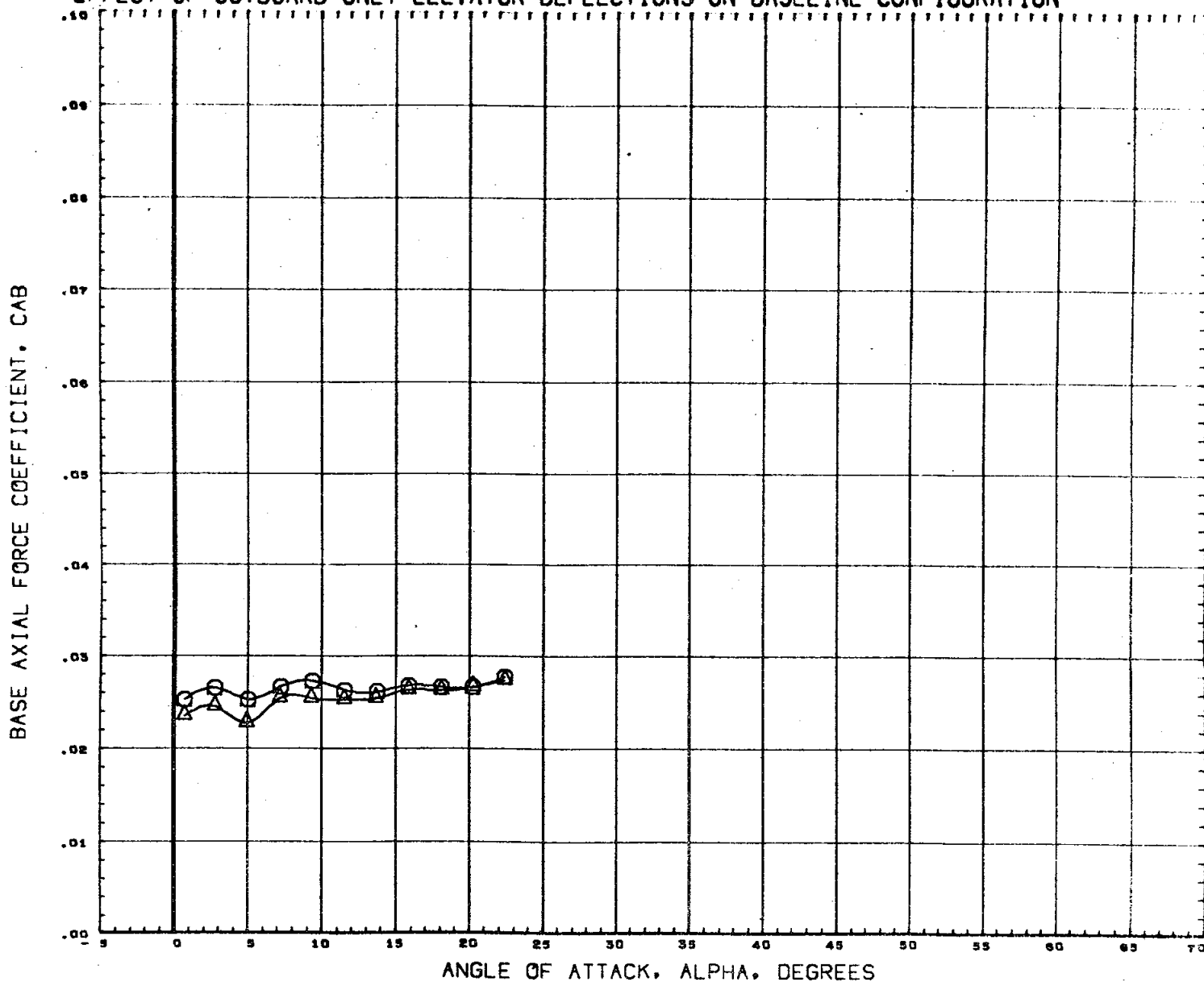
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDELV	RUDFLR
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000
(C76317)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	10.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRF	3.4530	IN.
YMRF	0.0000	IN.
ZMRF	0.0000	IN.
SCALE	0.0040	

MACH 1.20

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EFFECT OF OUTBOARD ONLY ELEVATOR DEFLECTIONS ON BASELINE CONFIGURATION



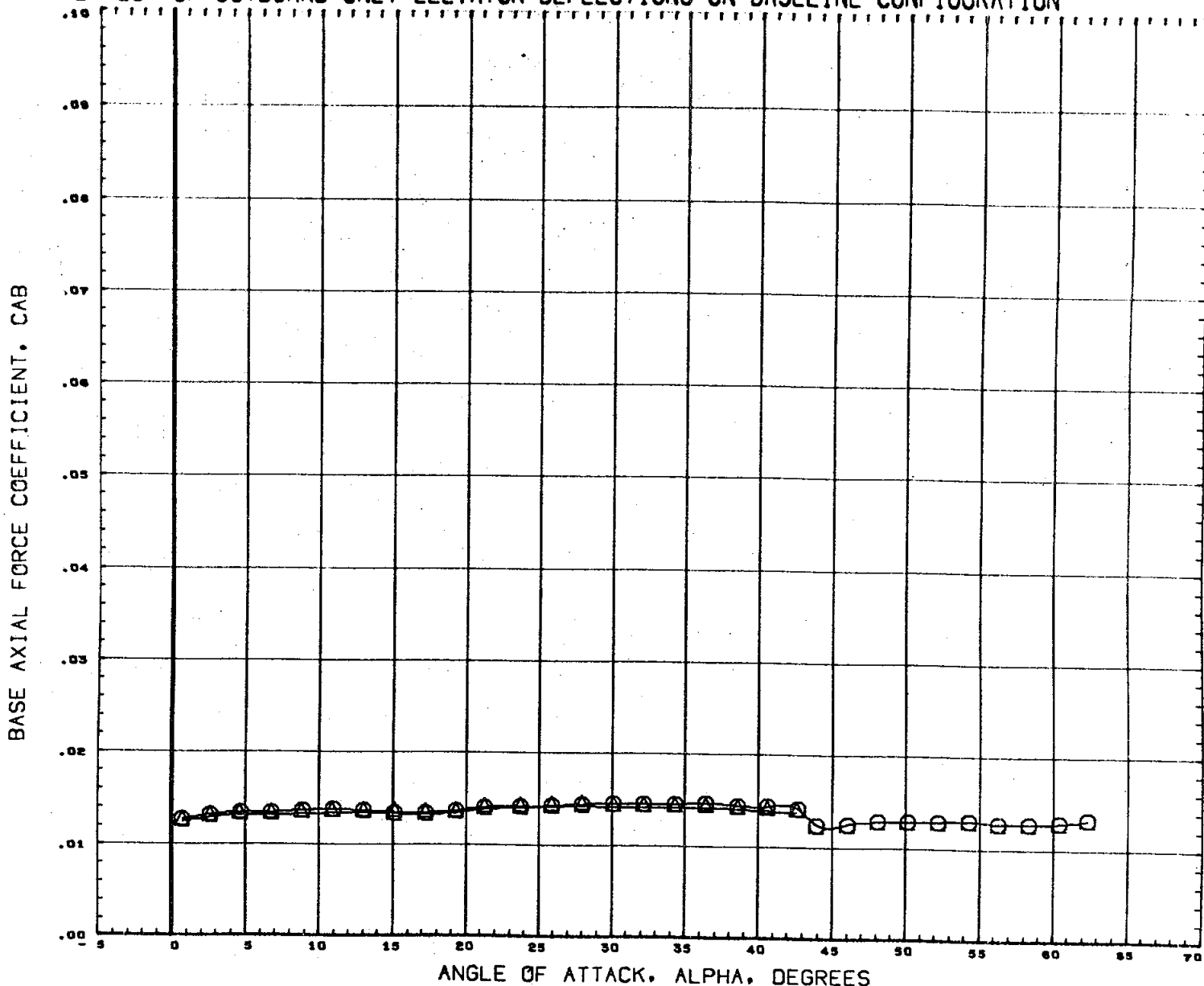
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDLV	RUDFLR
(C76303)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000
(C76317)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	10.000

REFERENCE INFORMATION		
SREF	7.4190	50.1N.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 1.97

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EFFECT OF OUTBOARD ONLY ELEVATOR DEFLECTIONS ON BASELINE CONFIGURATION



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(C7630S) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
 (C76517) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

BETA OSDELV RUDFLR
 0.000 0.000 10.000
 0.000 -20.000 10.000

REFERENCE INFORMATION

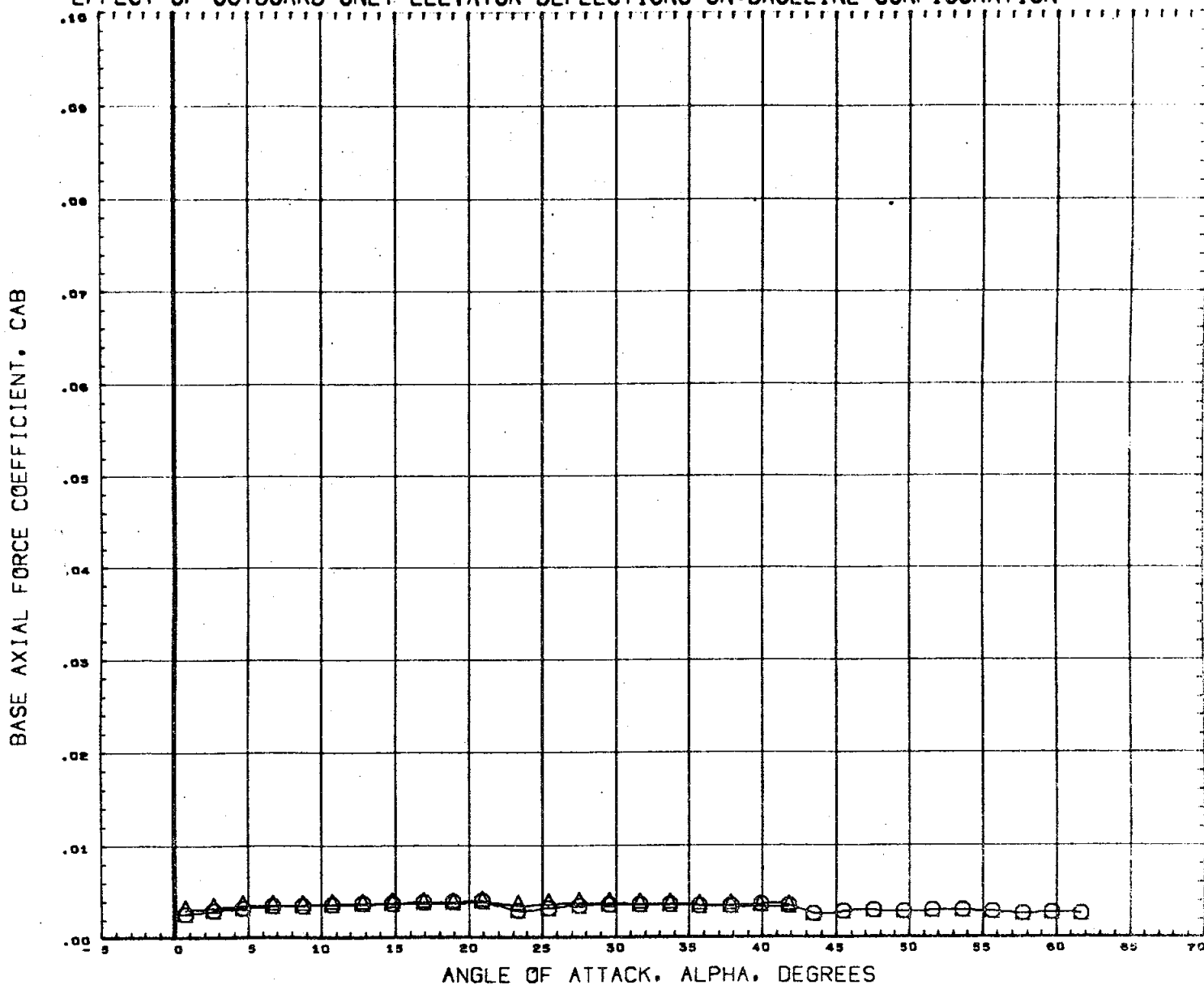
SREF 7.4190 SQ. IN.
 LREF 2.1020 IN.
 BREF 4.0300 IN.
 XMRP 3.4530 IN.
 YMRP 0.0000 IN.
 ZMRP 0.0000 IN.
 SCALE 0.0040

MACH


2.99


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EFFECT OF OUTBOARD ONLY ELEVATOR DEFLECTIONS ON BASELINE CONFIGURATION



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(C76305)  M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

(C76517)  M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

BETA OBDELV RUDELV

0.000 0.000 10.000

0.000 -20.000 10.000

REFERENCE INFORMATION

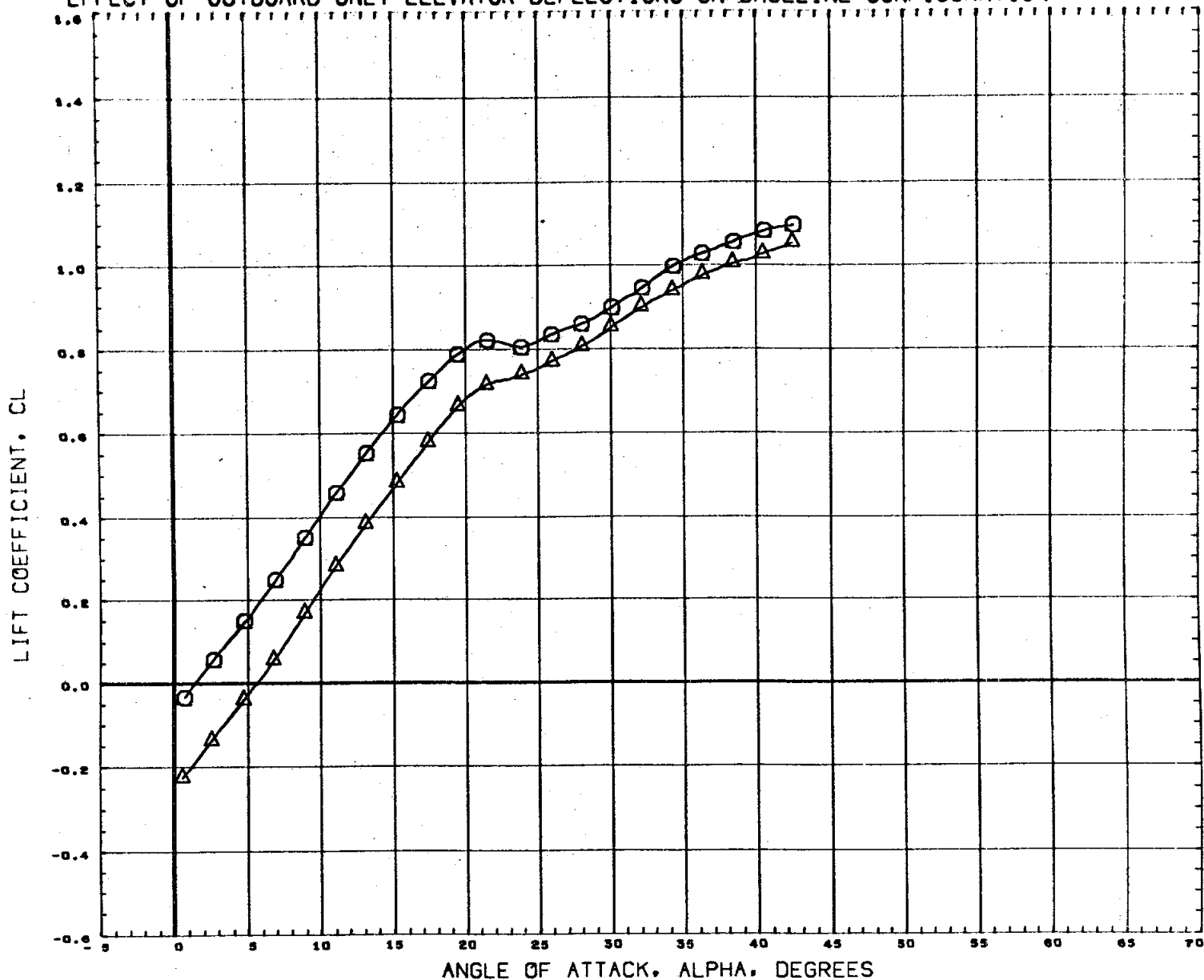
SREF 7.4190 SQ. IN.
 LREF 2.1020 IN.
 BREF 4.0300 IN.
 XMRP 3.4550 IN.
 YMRP 0.0000 IN.
 ZMRP 0.0000 IN.
 SCALE 0.0040

MACH

4.96

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EFFECT OF OUTBOARD ONLY ELEVATOR DEFLECTIONS ON BASELINE CONFIGURATION



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(C76303)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
(C76317)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

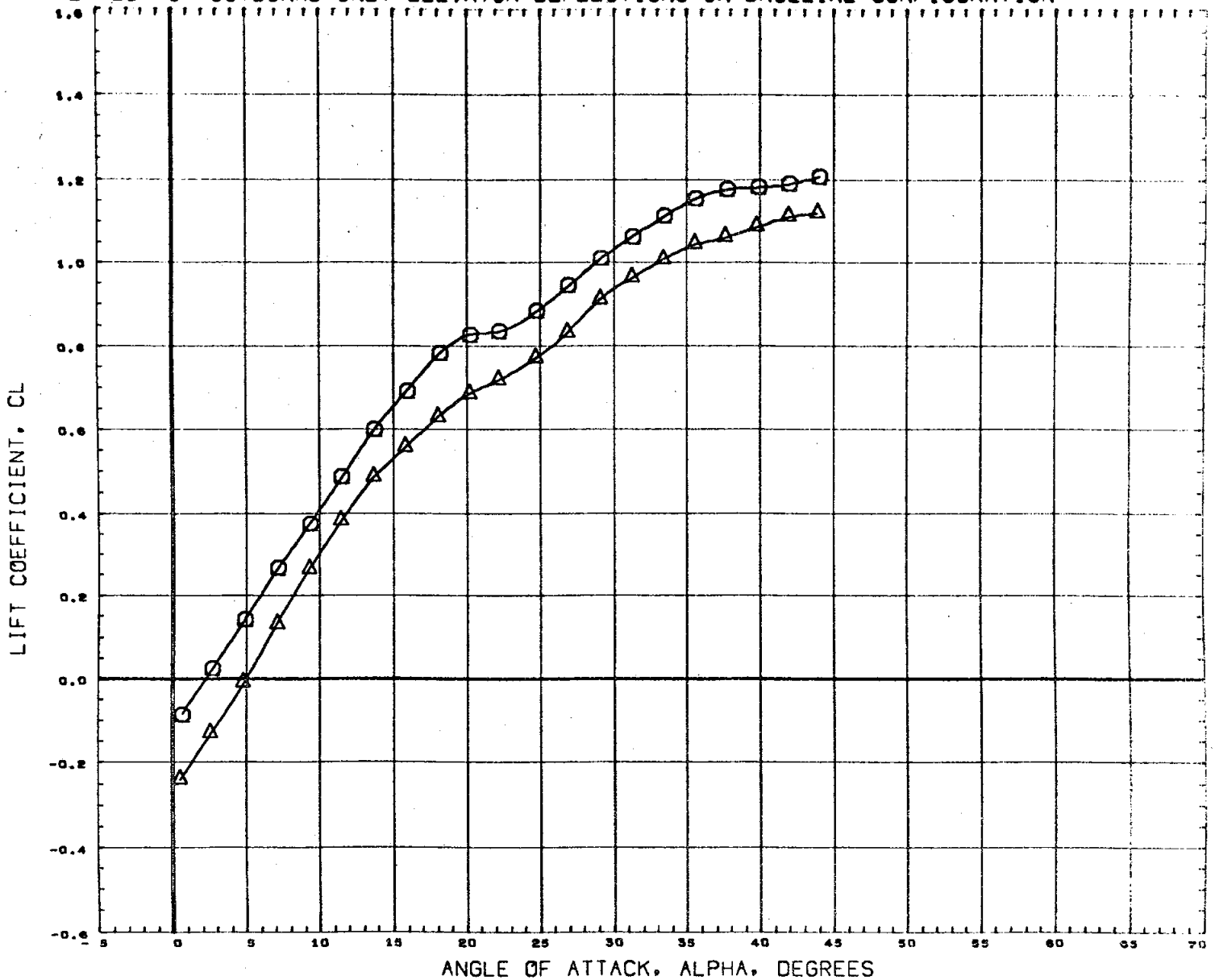
BETA	OBDELV	RUDFLR
0.000	0.000	10.000
0.000	-20.000	10.000

REFERENCE INFORMATION		
SREF	7.4190	SQ.IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH .59

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EFFECT OF OUTBOARD ONLY ELEVATOR DEFLECTIONS ON BASELINE CONFIGURATION



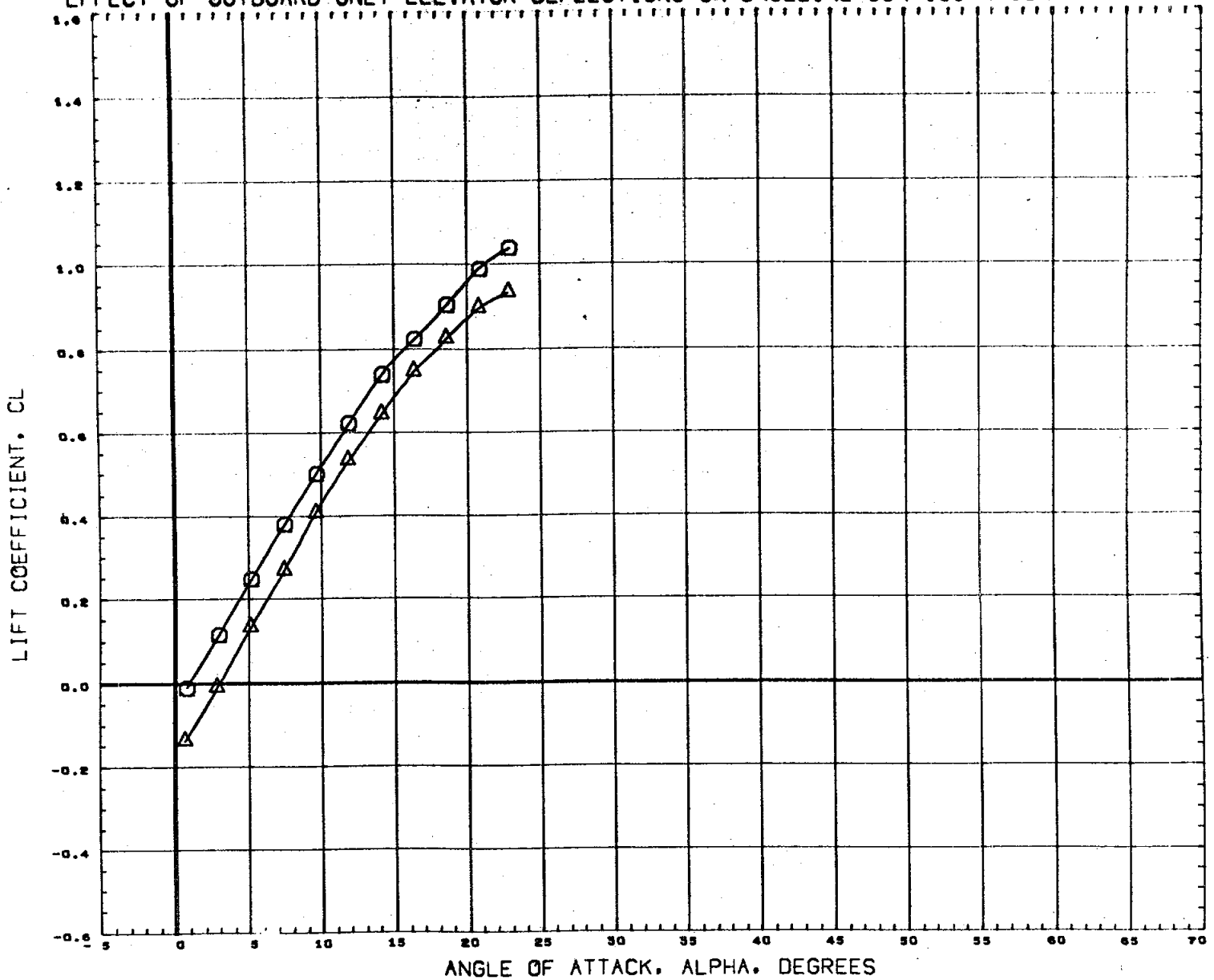
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDELV	RUDFLR
(C76303)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000
(C76517)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	10.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH .90

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EFFECT OF OUTBOARD ONLY ELEVATOR DEFLECTIONS ON BASELINE CONFIGURATION



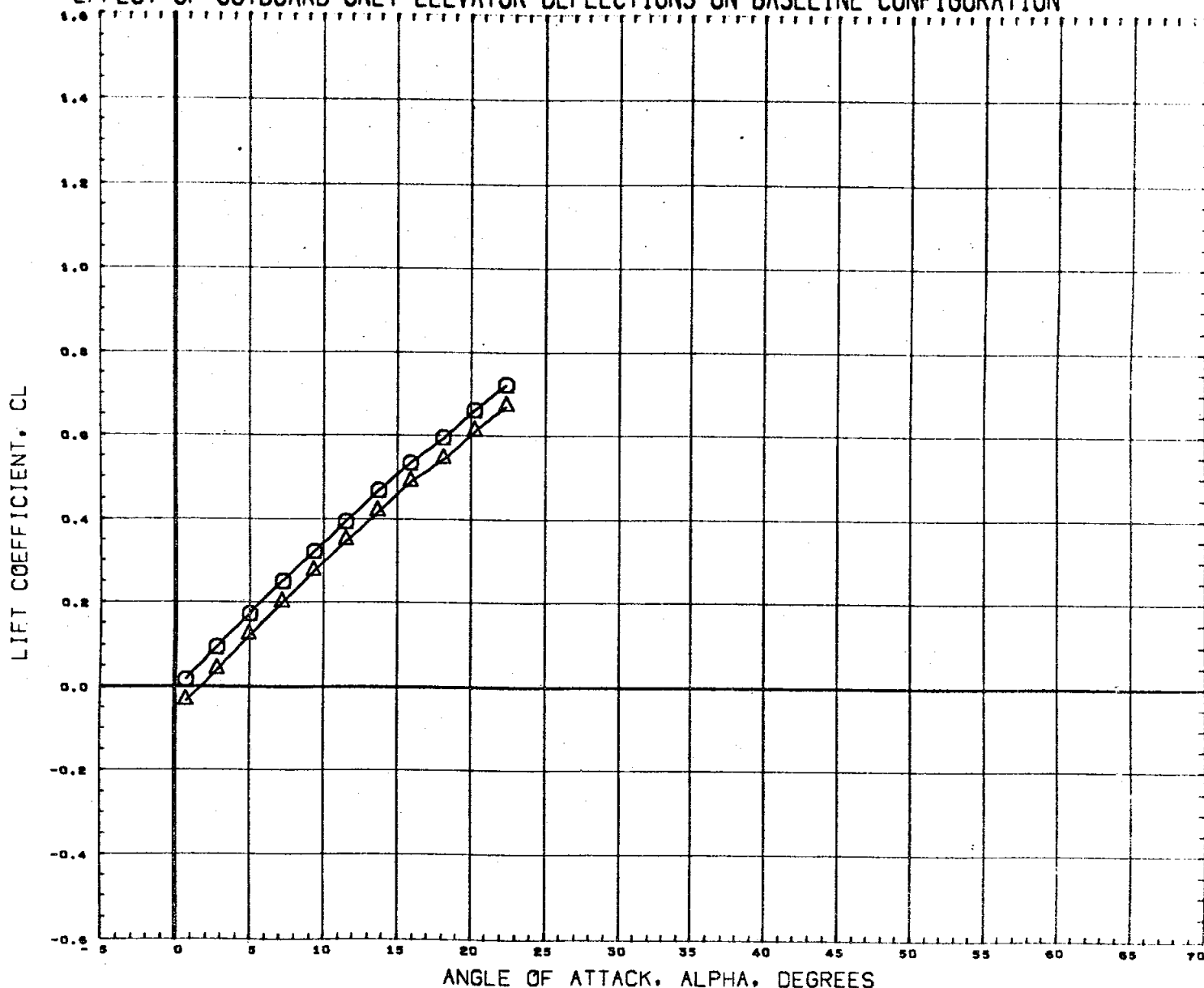
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDELV	RUDFLR
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000
(C76317)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	10.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 1.20

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EFFECT OF OUTBOARD ONLY ELEVATOR DEFLECTIONS ON BASELINE CONFIGURATION



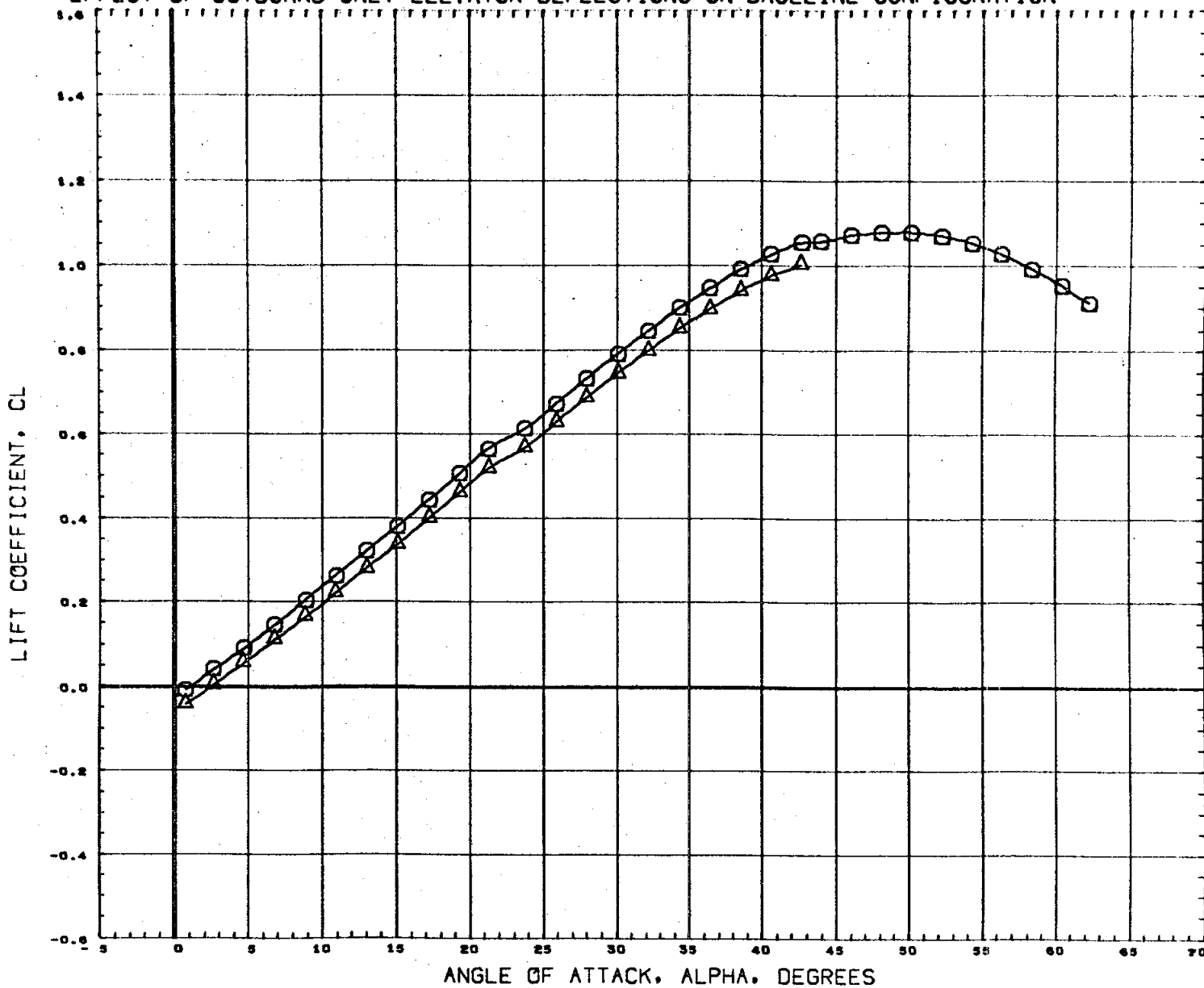
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OSDELV	RUDFLR
(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000
(C76S17)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	10.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 1.97

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EFFECT OF OUTBOARD ONLY ELEVATOR DEFLECTIONS ON BASELINE CONFIGURATION



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(C76308) M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
 (C76S17) M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

BETA OBDELV RUOFLR
 0.000 0.000 10.000
 0.000 -20.000 10.000

REFERENCE INFORMATION

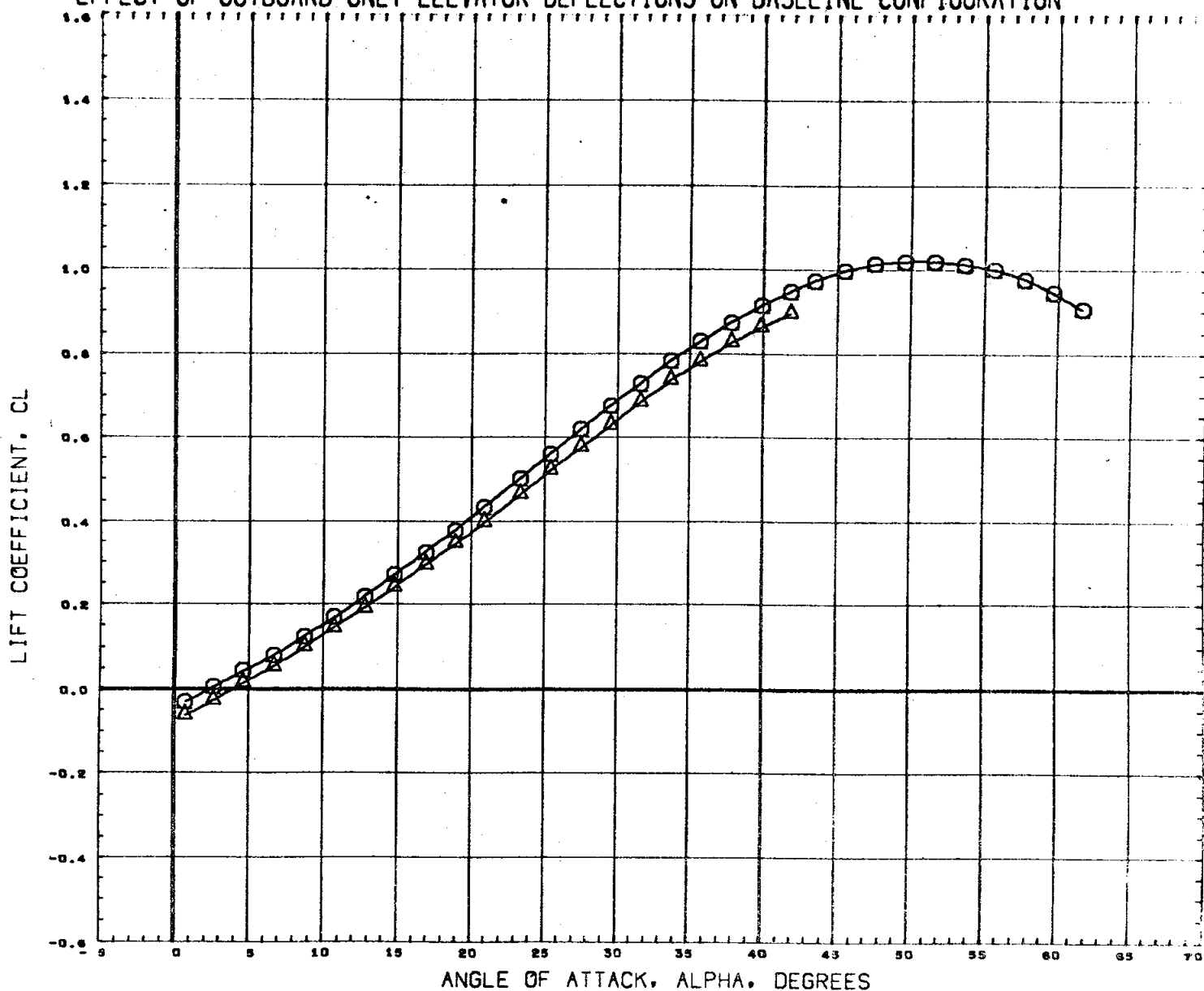
SREF 7.4190 SQ.IN.
 LREF 2.1020 IN.
 BREF 4.0300 IN.
 XMRP 3.4530 IN.
 YMRP 0.0000 IN.
 ZMRP 0.0000 IN.
 SCALE 0.0040

MACH

2.99

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EFFECT OF OUTBOARD ONLY ELEVATOR DEFLECTIONS ON BASELINE CONFIGURATION



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(C76305) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

(C76317) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

BETA ODELV RUDFLR

0.000 0.000 10.000

0.000 -20.000 10.000

REFERENCE INFORMATION

SREF 7.4150 SQ. IN.

LREF 2.1020 IN.

BREF 4.0300 IN.

XMRP 3.4530 IN.

YMRP 0.0000 IN.

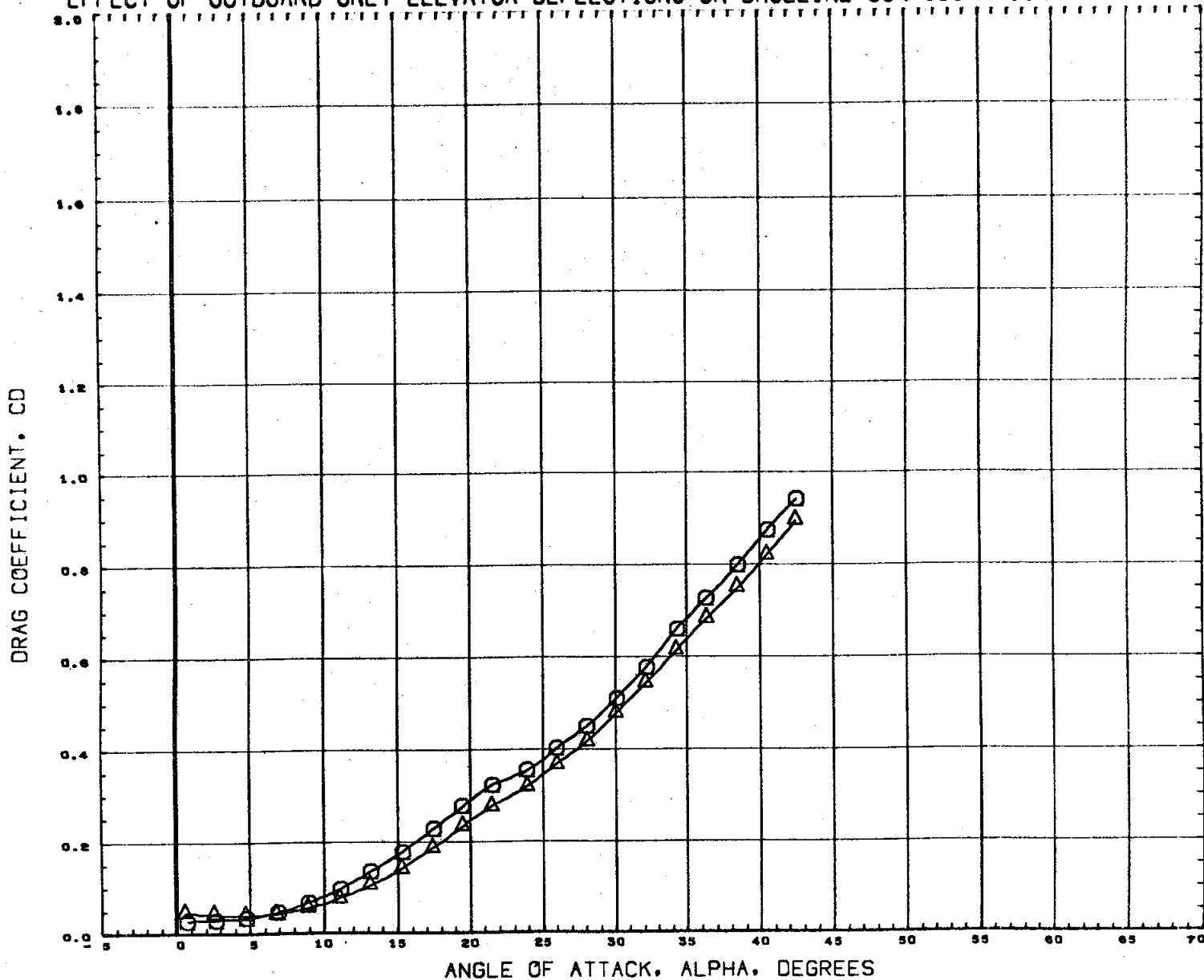
ZMRP 0.0000 IN.

SCALE 0.0040

MACH 4.96

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EFFECT OF OUTBOARD ONLY ELEVATOR DEFLECTIONS ON BASELINE CONFIGURATION



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
(C76517)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

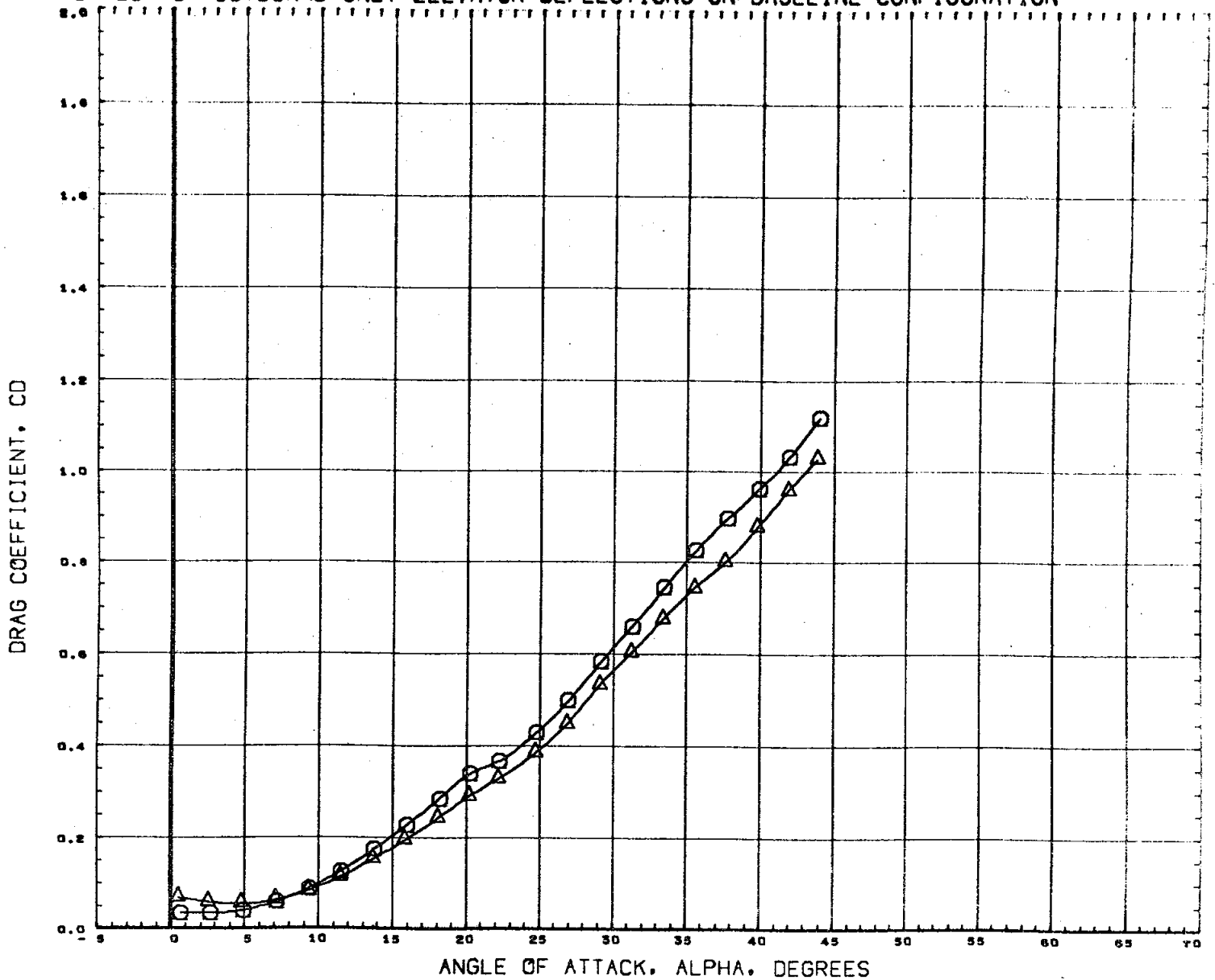
BETA	OBDELV	RUDFLR
0.000	0.000	10.000
0.000	-20.000	10.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

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EFFECT OF OUTBOARD ONLY ELEVATOR DEFLECTIONS ON BASELINE CONFIGURATION



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(C76305) M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

(C76317) M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

BETA	OSDELV	RUDFLR
0.000	0.000	10.000
0.000	-20.000	10.000

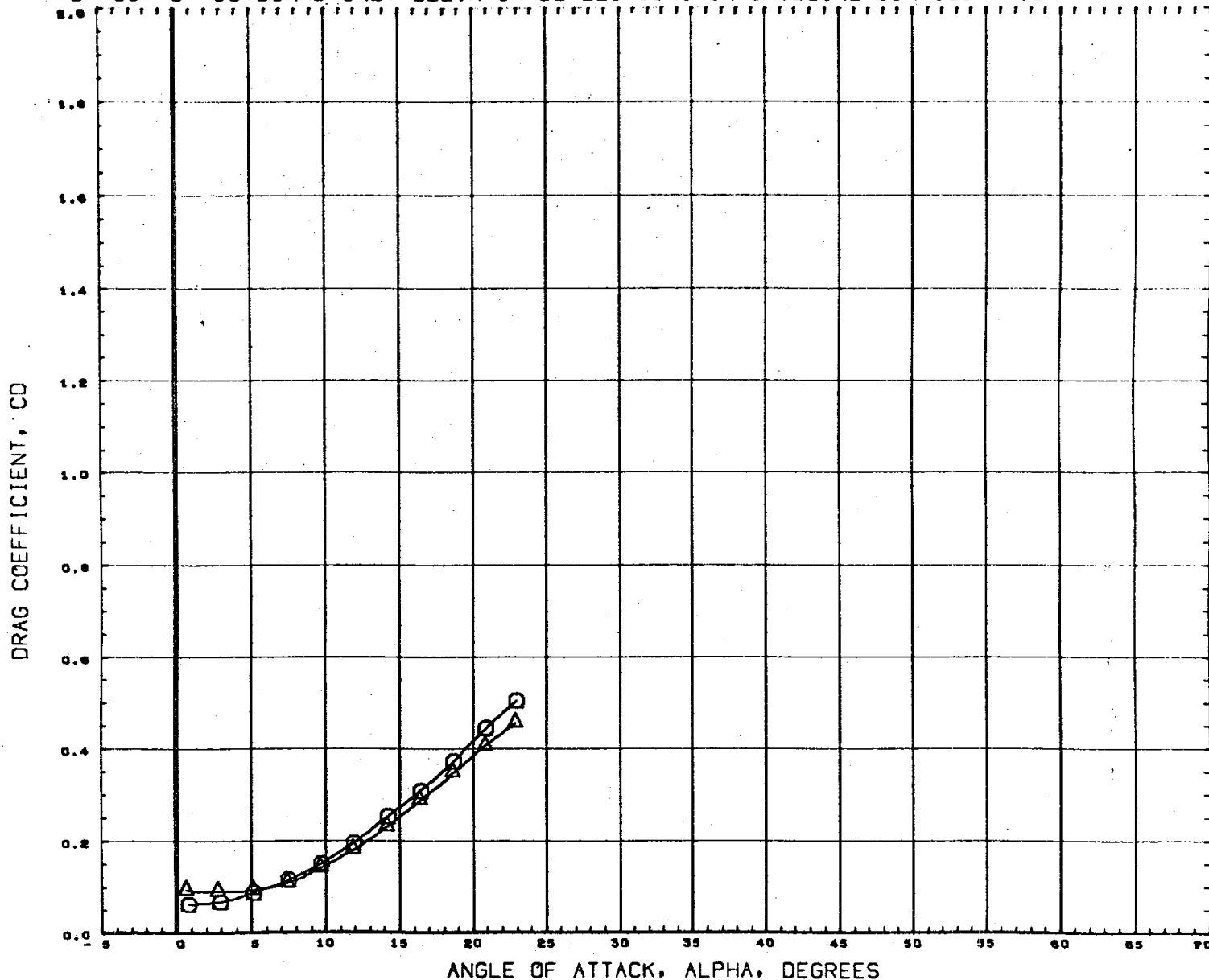
REFERENCE INFORMATION

SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH .90

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EFFECT OF OUTBOARD ONLY ELEVATOR DEFLECTIONS ON BASELINE CONFIGURATION



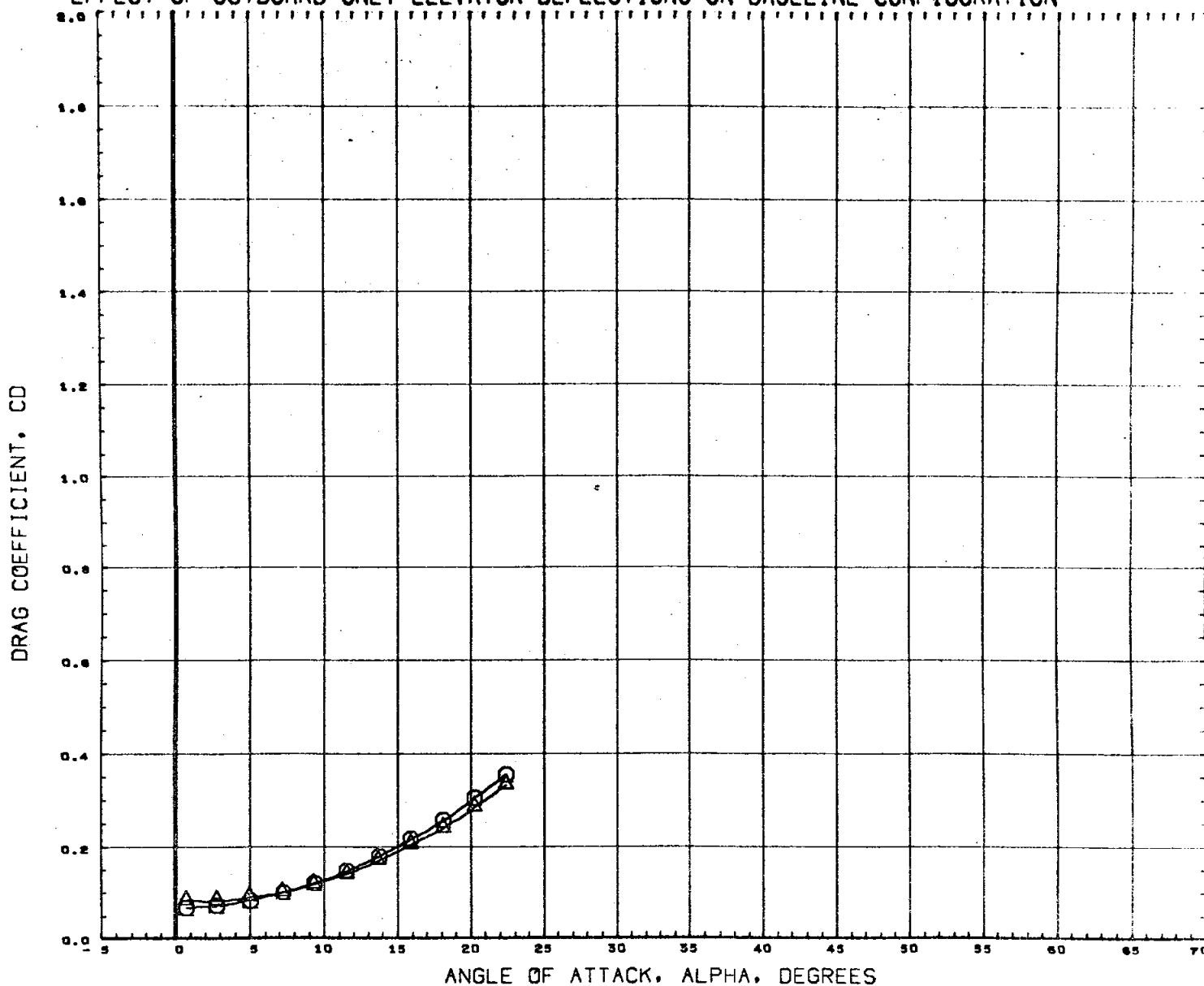
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDELV	RUDFLR
(C7630S)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000
(C76317)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	10.000

REFERENCE INFORMATION		
SREF	7.4190	sq. in.
LREF	2.1020	in.
BREF	4.0300	in.
XMRP	3.4530	in.
YMRP	0.0000	in.
ZMRP	0.0000	in.
SCALE	0.0040	

MACH 1.20

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EFFECT OF OUTBOARD ONLY ELEVATOR DEFLECTIONS ON BASELINE CONFIGURATION



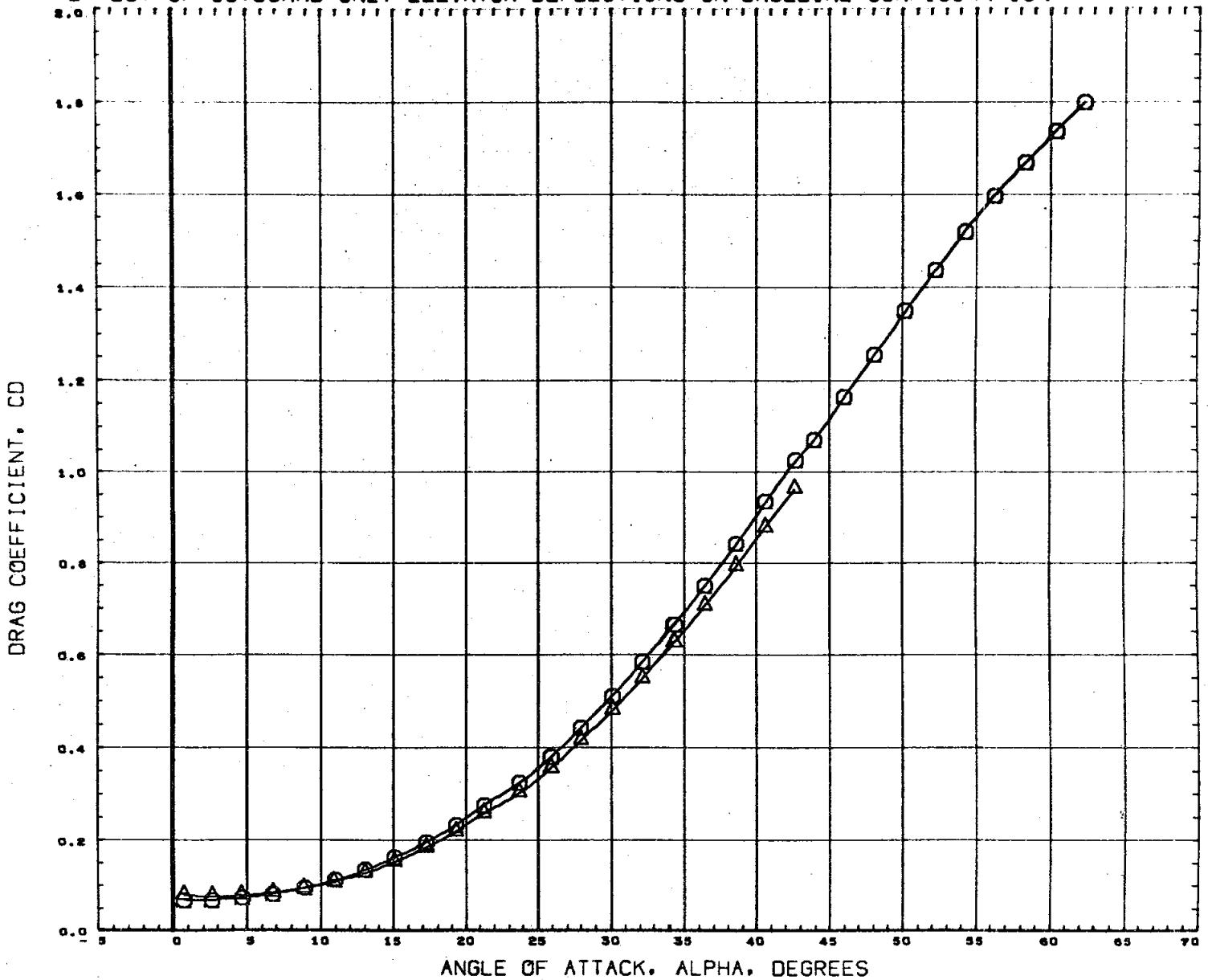
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDLV	RUDFLR
(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000
(C76317)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	10.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 1.97

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EFFECT OF OUTBOARD ONLY ELEVATOR DEFLECTIONS ON BASELINE CONFIGURATION



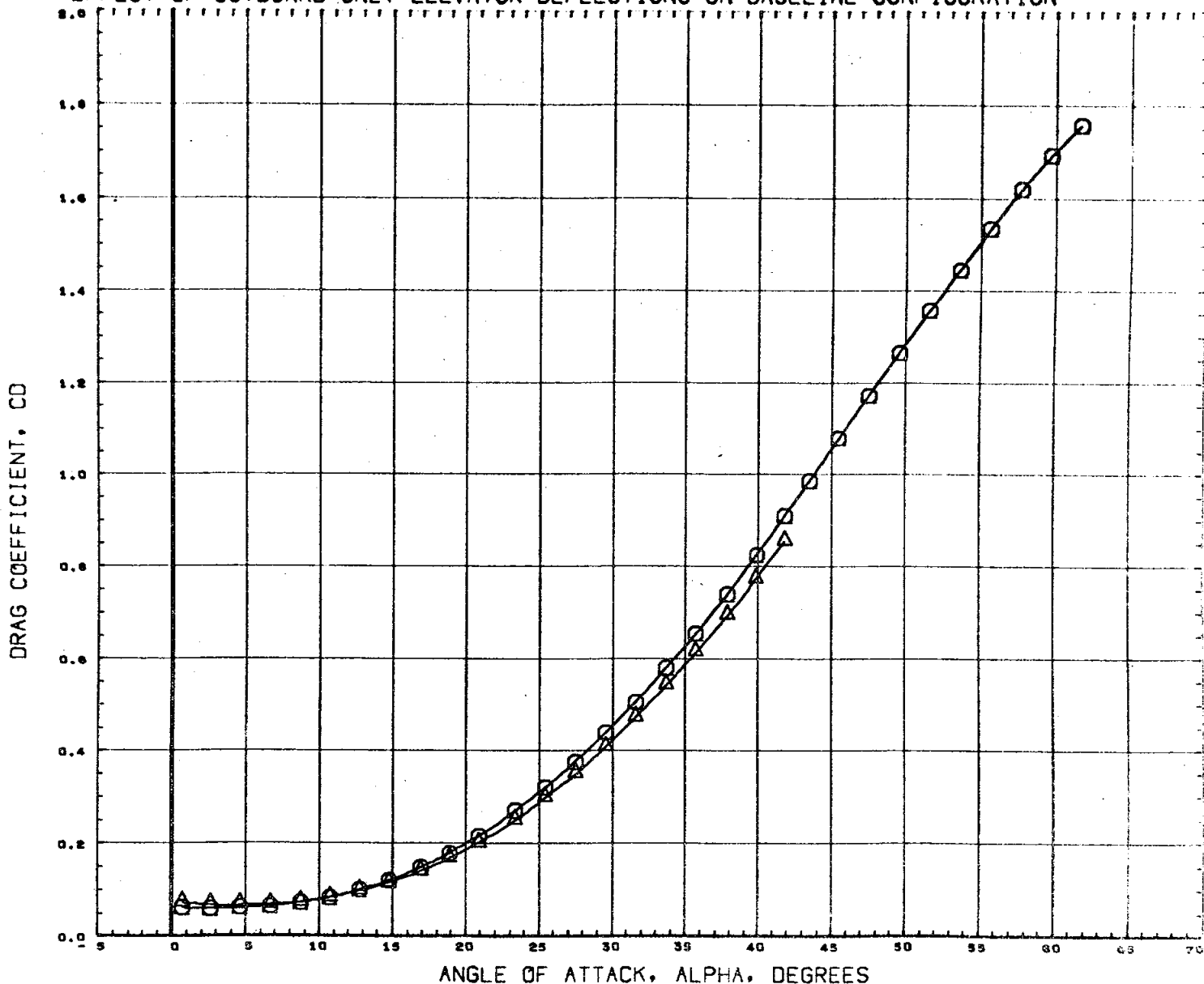
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OSDELV	RUDFLR
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000
(C76517)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	10.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 2.99

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EFFECT OF OUTBOARD ONLY ELEVATOR DEFLECTIONS ON BASELINE CONFIGURATION



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(C76305) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

(C76317) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

BETA OBDELV RUDFLR

0.000 0.000 10.000

0.000 -20.000 10.000

REFERENCE INFORMATION

SREF 7.4190 33. IN.

LREF 2.1020 IN.

BREF 4.0300 IN.

XMRF 3.4530 IN.

YMRF 0.0000 IN.

ZMRF 0.0000 IN.

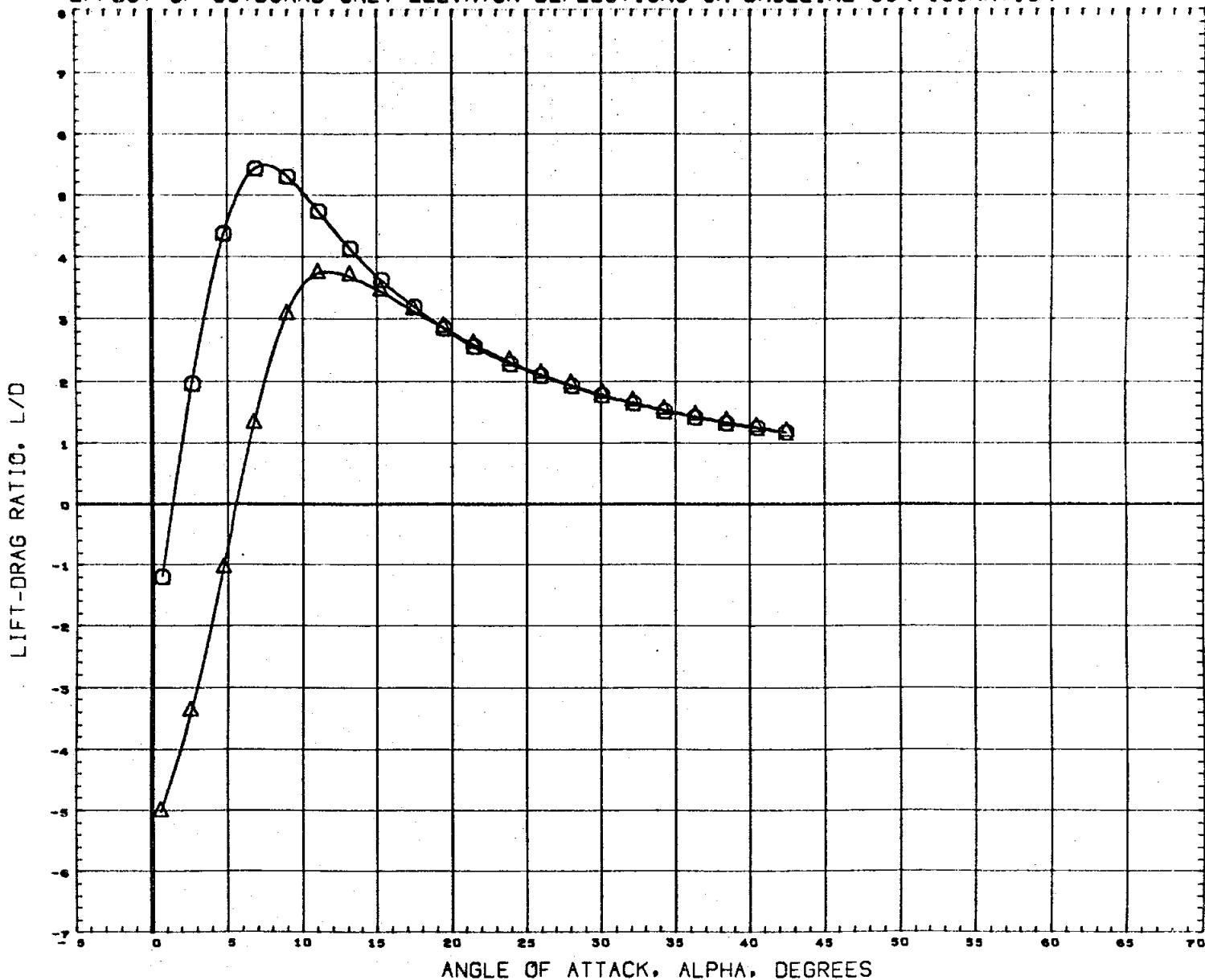
SCALE 0.0040

MACH

4.96

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EFFECT OF OUTBOARD ONLY ELEVATOR DEFLECTIONS ON BASELINE CONFIGURATION



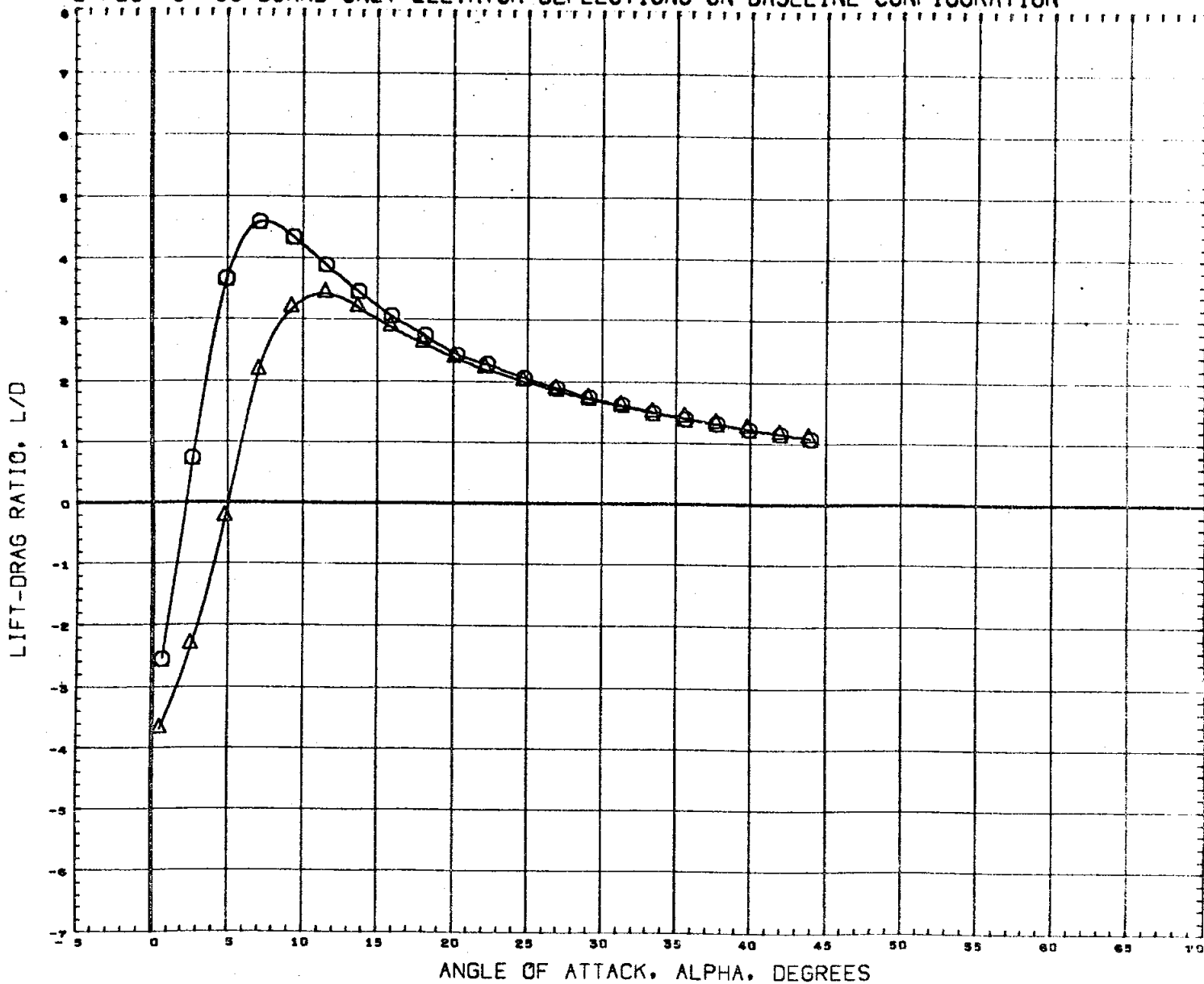
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDELV	RUOFLR
(C7630S) ○	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000
(C76317) △	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	10.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH .59

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EFFECT OF OUTBOARD ONLY ELEVATOR DEFLECTIONS ON BASELINE CONFIGURATION



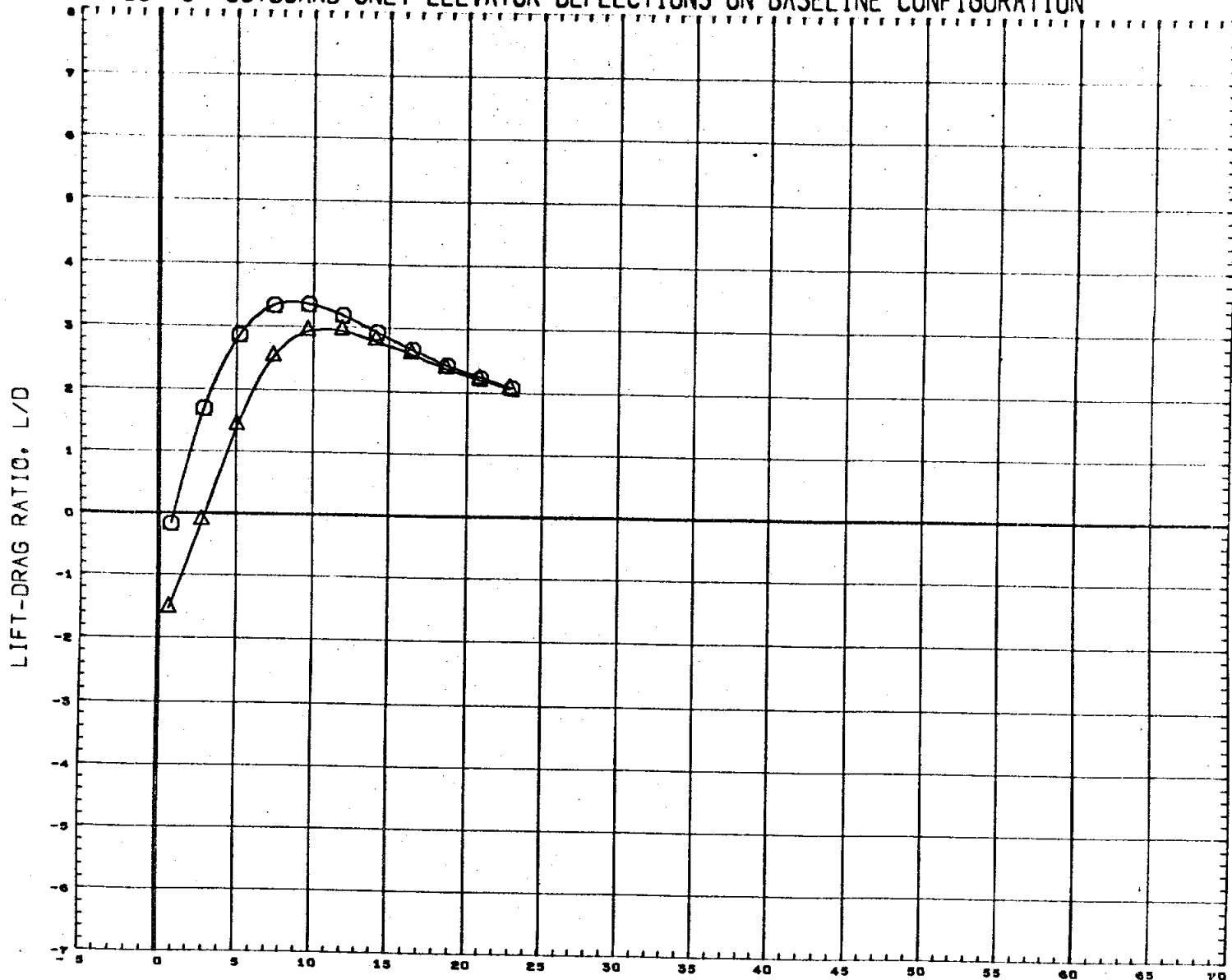
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDELV	RUDFLR
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000
(C76317)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	10.000

REFERENCE INFORMATION		
SREF	7.4190	50.1N.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4330	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH .90

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EFFECT OF OUTBOARD ONLY ELEVATOR DEFLECTIONS ON BASELINE CONFIGURATION



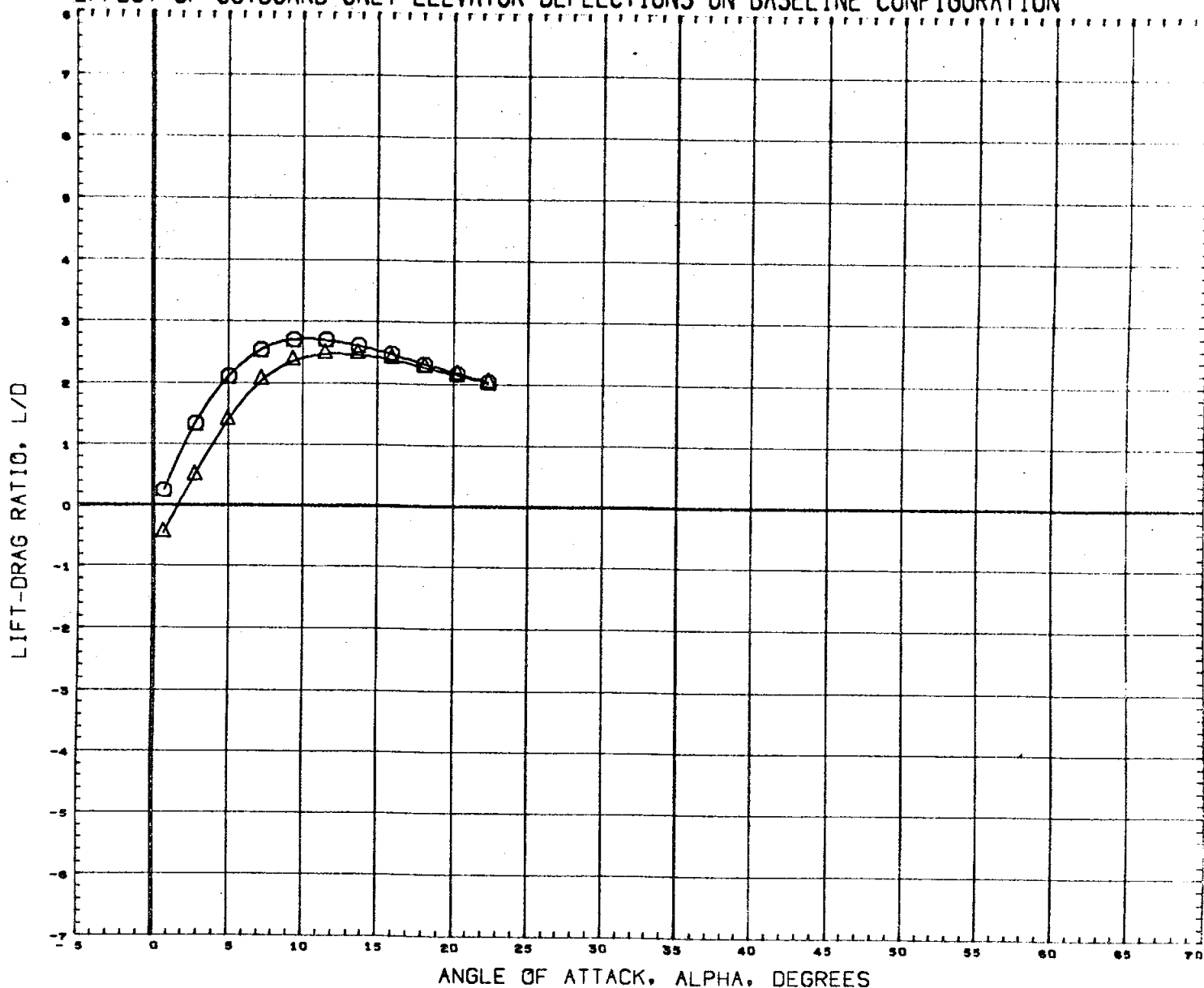
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(C76303)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
(C76317)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

BETA	OBDELV	RUDFLR
0.000	0.000	10.000
0.000	-20.000	10.000

REFERENCE INFORMATION		
SREF	7.4190	30. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 1.20

EFFECT OF OUTBOARD ONLY ELEVATOR DEFLECTIONS ON BASELINE CONFIGURATION



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(C76303) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

(C76317) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

BETA	OBDELV	RUDFLR
0.000	0.000	10.000
0.000	-20.000	10.000

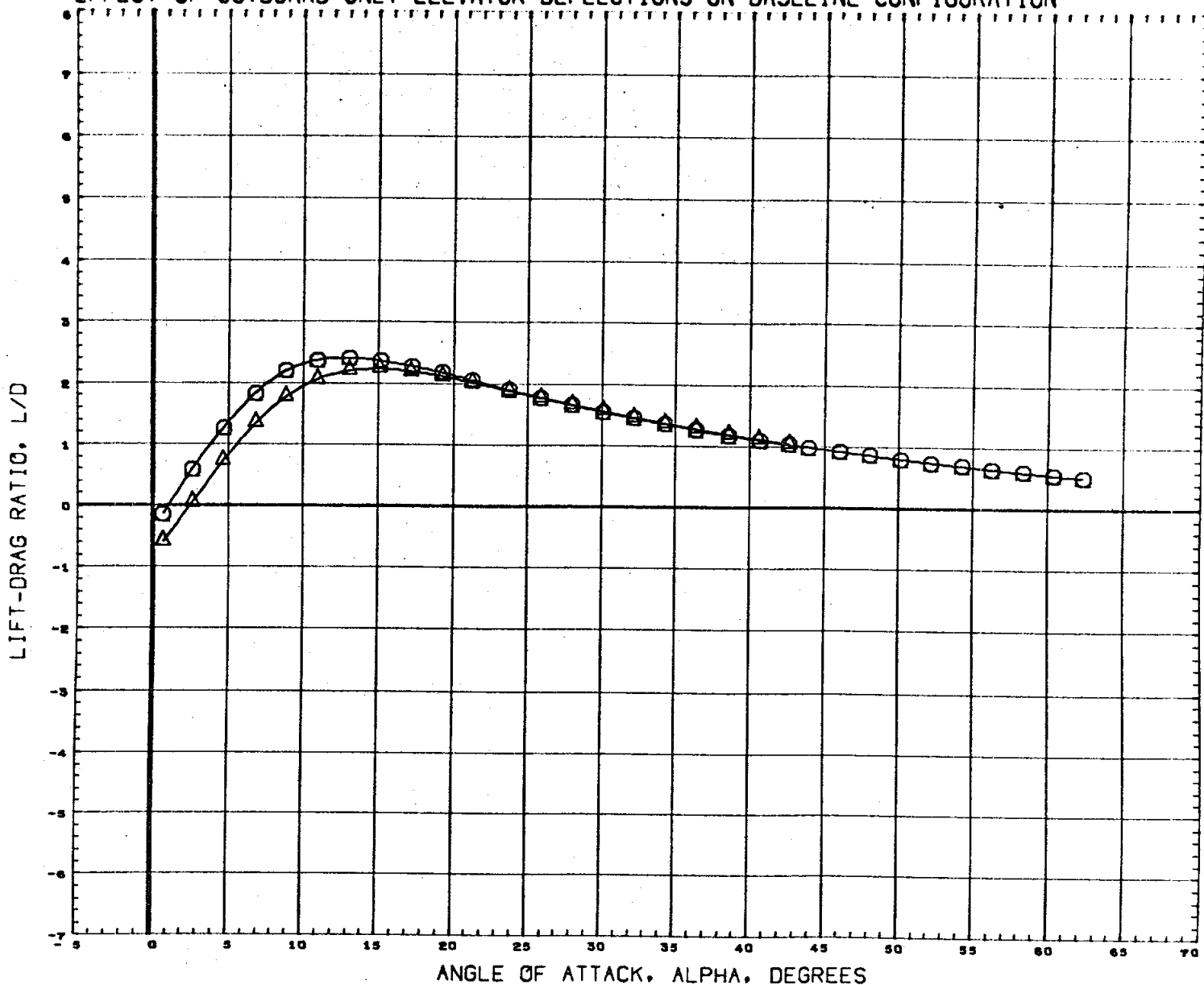
REFERENCE INFORMATION

SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 1.97

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EFFECT OF OUTBOARD ONLY ELEVATOR DEFLECTIONS ON BASELINE CONFIGURATION



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(C76305) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

(C76317) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

BETA	OBDELV	RUDFLR
0.000	0.000	10.000
0.000	-20.000	10.000

REFERENCE INFORMATION

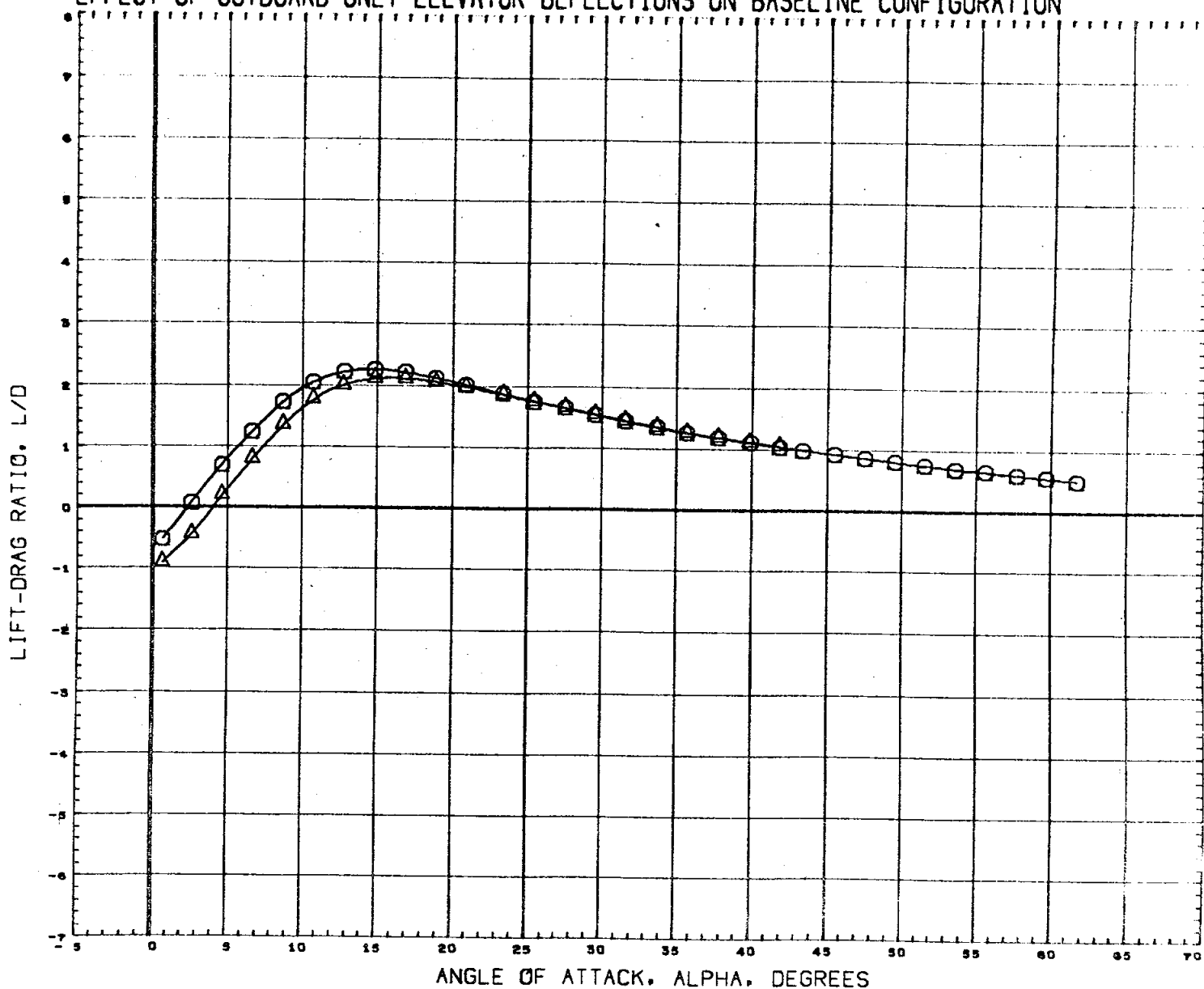
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH

2.99

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EFFECT OF OUTBOARD ONLY ELEVATOR DEFLECTIONS ON BASELINE CONFIGURATION



DATA SET SYMBOL CONFIGURATION DESCRIPTION

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDELV	RUDFLR
(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000
(C76317)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	10.000

REFERENCE INFORMATION

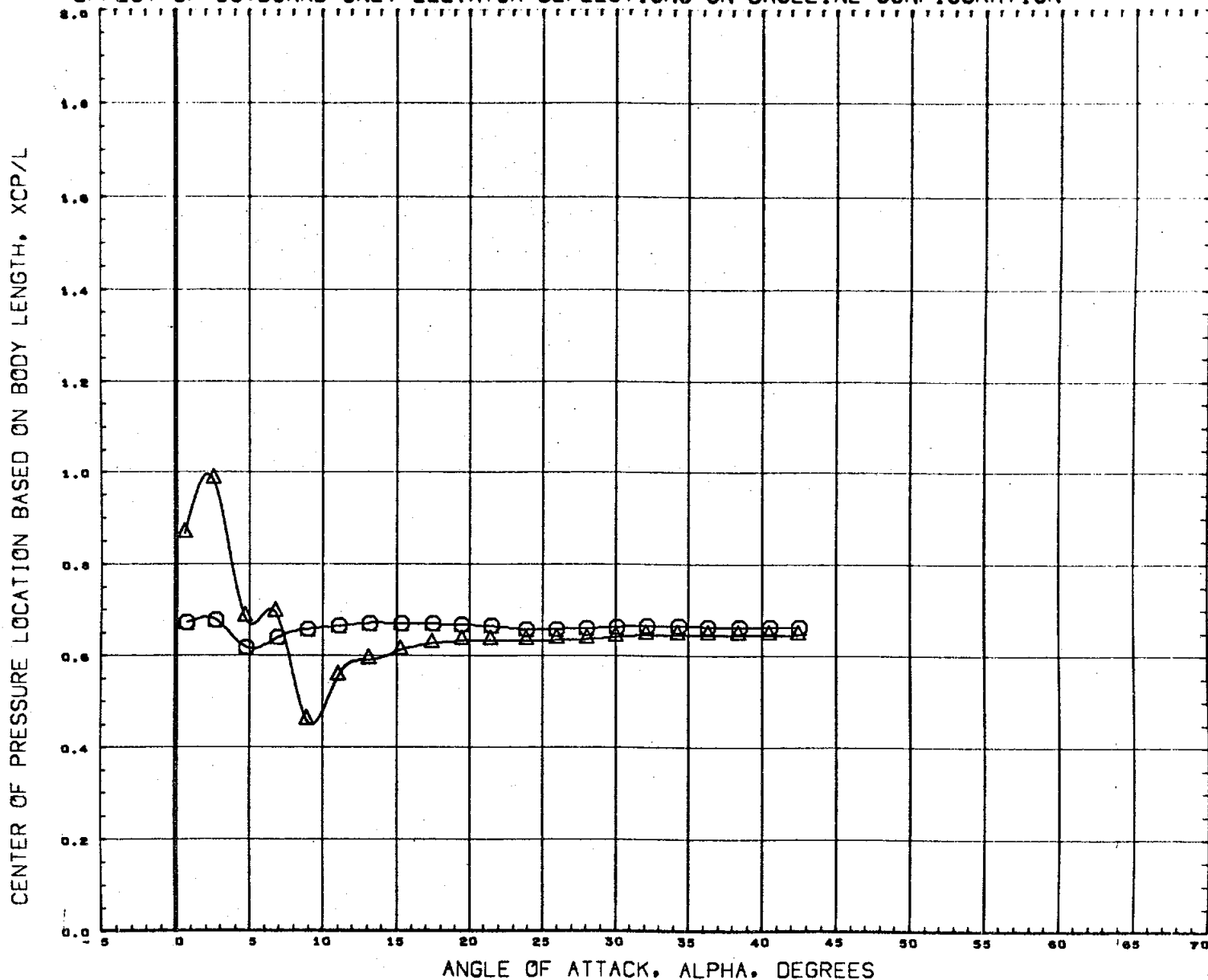
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BREF	4.0300	IN.
XHRP	3.4530	IN.
YHRP	0.0000	IN.
ZHRP	0.0000	IN.
SCALE	0.0040	

MACH

4.96


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EFFECT OF OUTBOARD ONLY ELEVATOR DEFLECTIONS ON BASELINE CONFIGURATION



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(C76305)  M555 (PA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

(C76S17)  M555 (PA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

BETA OBDELV RUDFLR

0.000 0.000 10.000

0.000 -20.000 10.000

REFERENCE INFORMATION

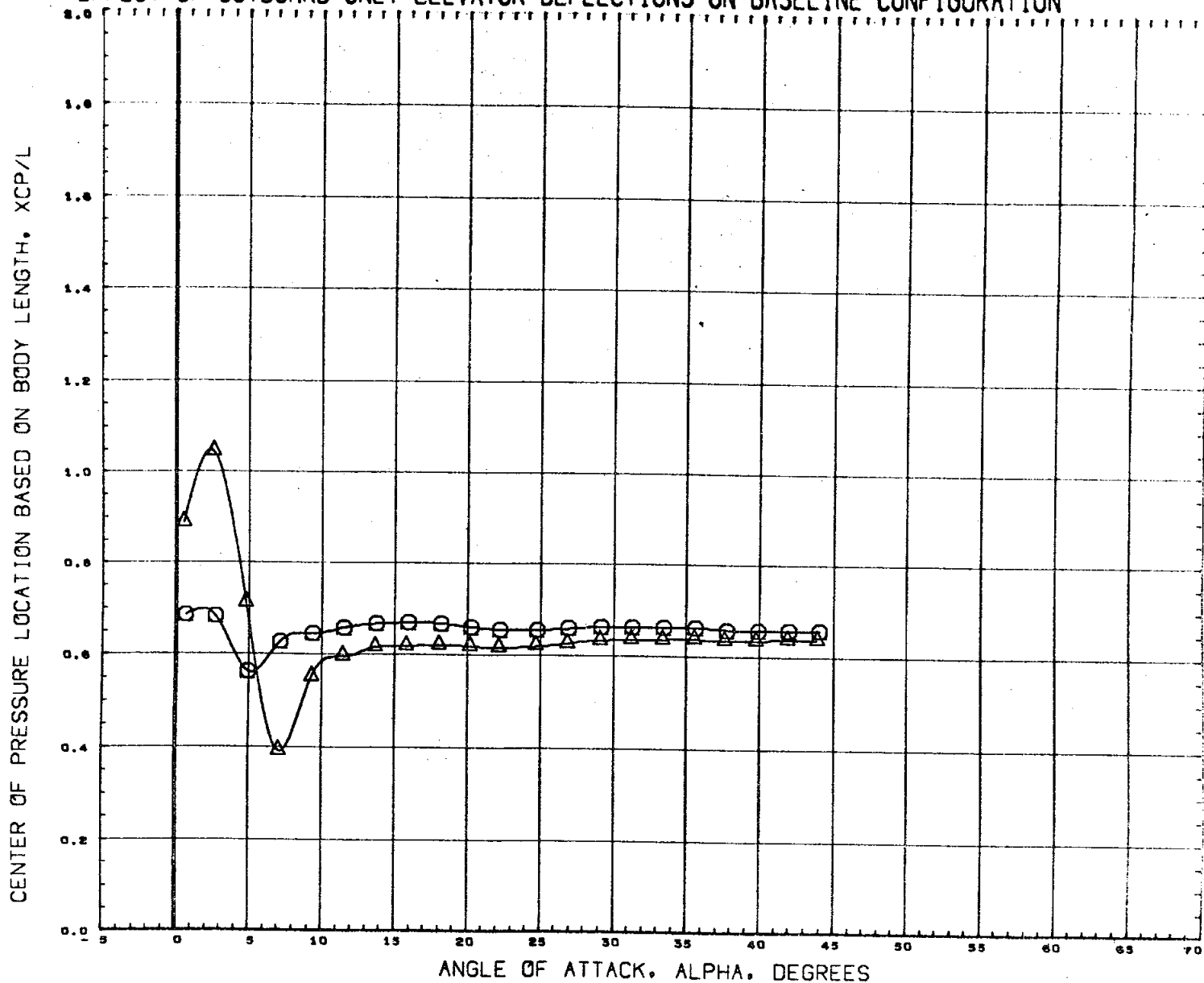
SREF 7.4190 SQ. IN.
LREF 2.1020 IN.
BREF 4.0300 IN.
XMRP 3.4930 IN.
YMRP 0.0000 IN.
ZMRP 0.0000 IN.
SCALE 0.0040

MACH

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EFFECT OF OUTBOARD ONLY ELEVATOR DEFLECTIONS ON BASELINE CONFIGURATION



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(C76305) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

(C76517) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

BETA OBDELV RUDFLR

0.000 0.000 10.000

0.000 -20.000 10.000

REFERENCE INFORMATION

SREF 7.4190 SQ. IN.

LREF 2.1020 IN.

BREF 4.0300 IN.

XMRP 3.4530 IN.

YMRP 0.0000 IN.

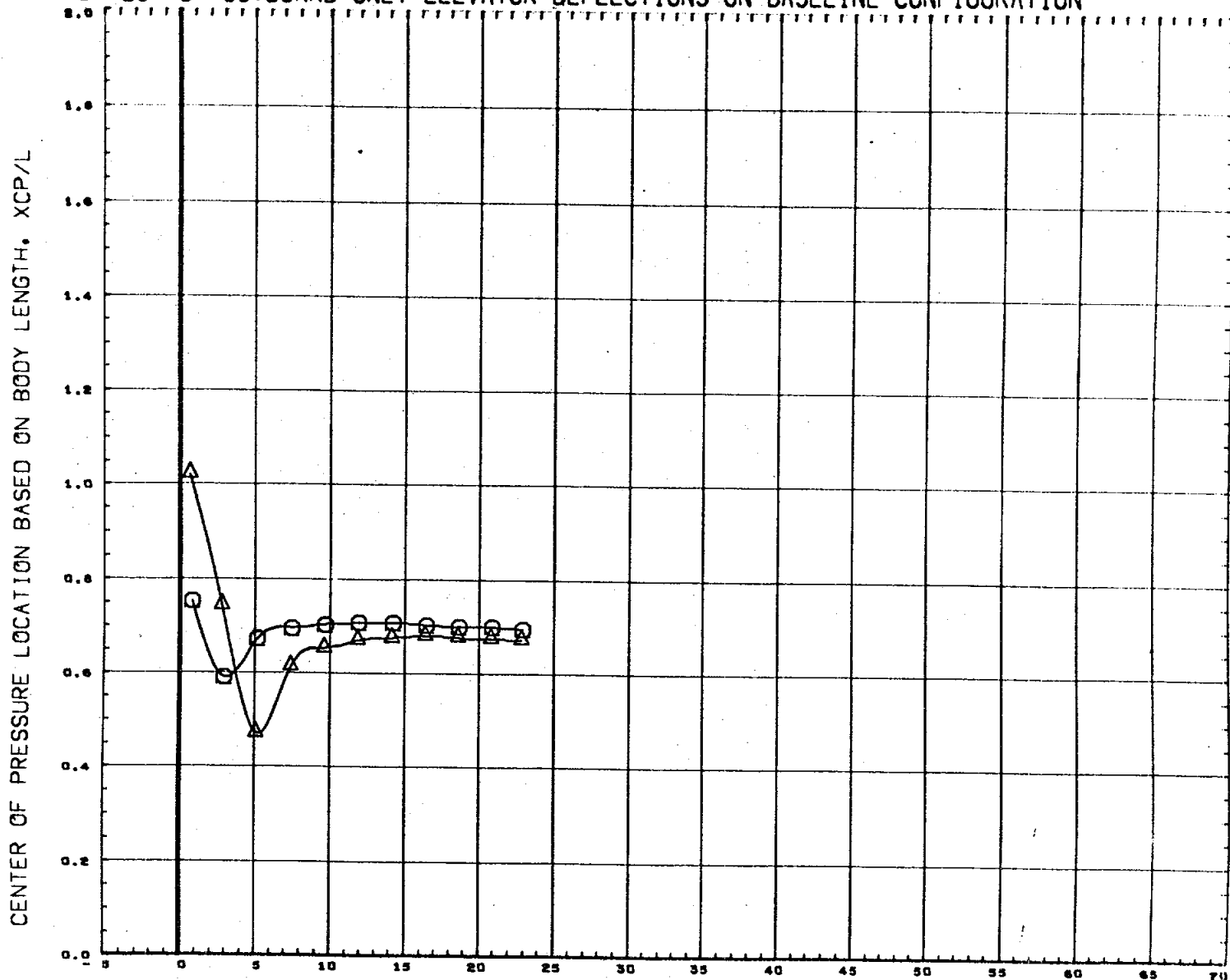
ZMRP 0.0000 IN.

SCALE 0.0040

MACH .90

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EFFECT OF OUTBOARD ONLY ELEVATOR DEFLECTIONS ON BASELINE CONFIGURATION



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
(C76317)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

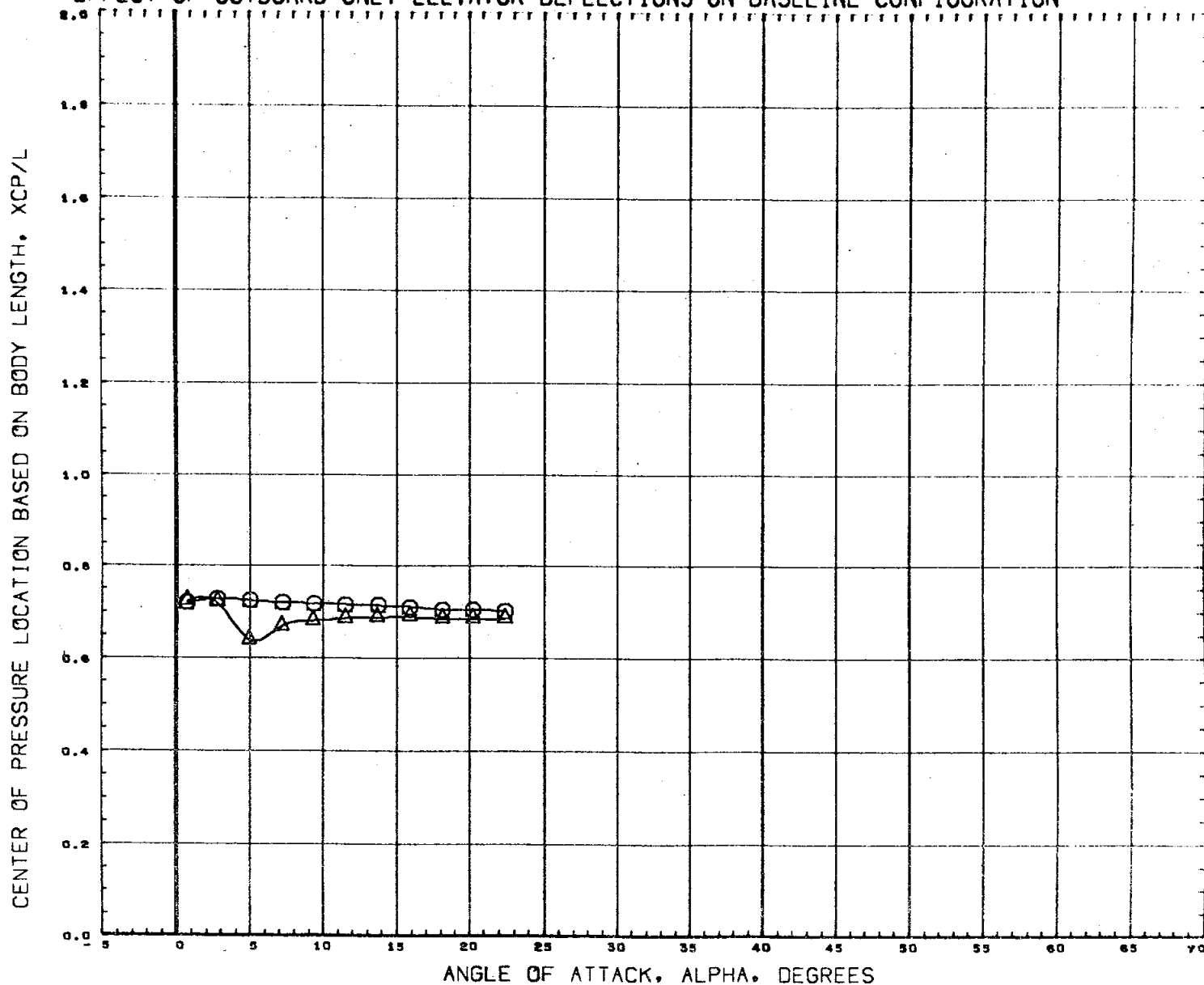
BETA	OBDELV	RUDFLR
0.000	0.000	10.000
0.000	-20.000	10.000

REFERENCE INFORMATION		
SREF	7.4190	sq. in.
LREF	2.1020	in.
BREF	4.0300	in.
XMRP	3.4530	in.
YMRP	0.0000	in.
ZMRP	0.0000	in.
SCALE	0.0040	

MACH 1.20

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EFFECT OF OUTBOARD ONLY ELEVATOR DEFLECTIONS ON BASELINE CONFIGURATION



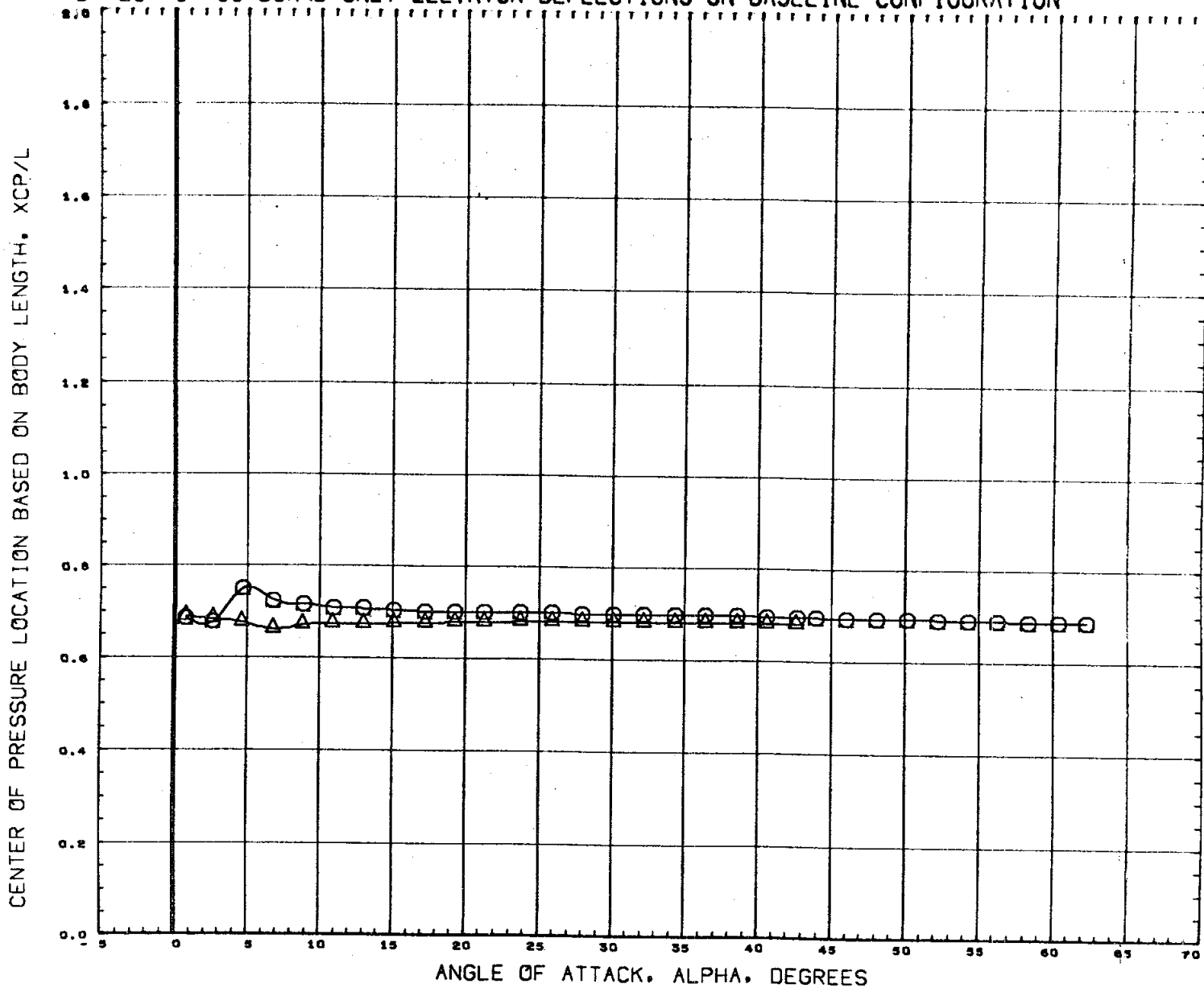
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDELV	RUDFLR
(C76303)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000
(C76517)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	10.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4330	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 1.97

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EFFECT OF OUTBOARD ONLY ELEVATOR DEFLECTIONS ON BASELINE CONFIGURATION



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(C76305)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
(C76317)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

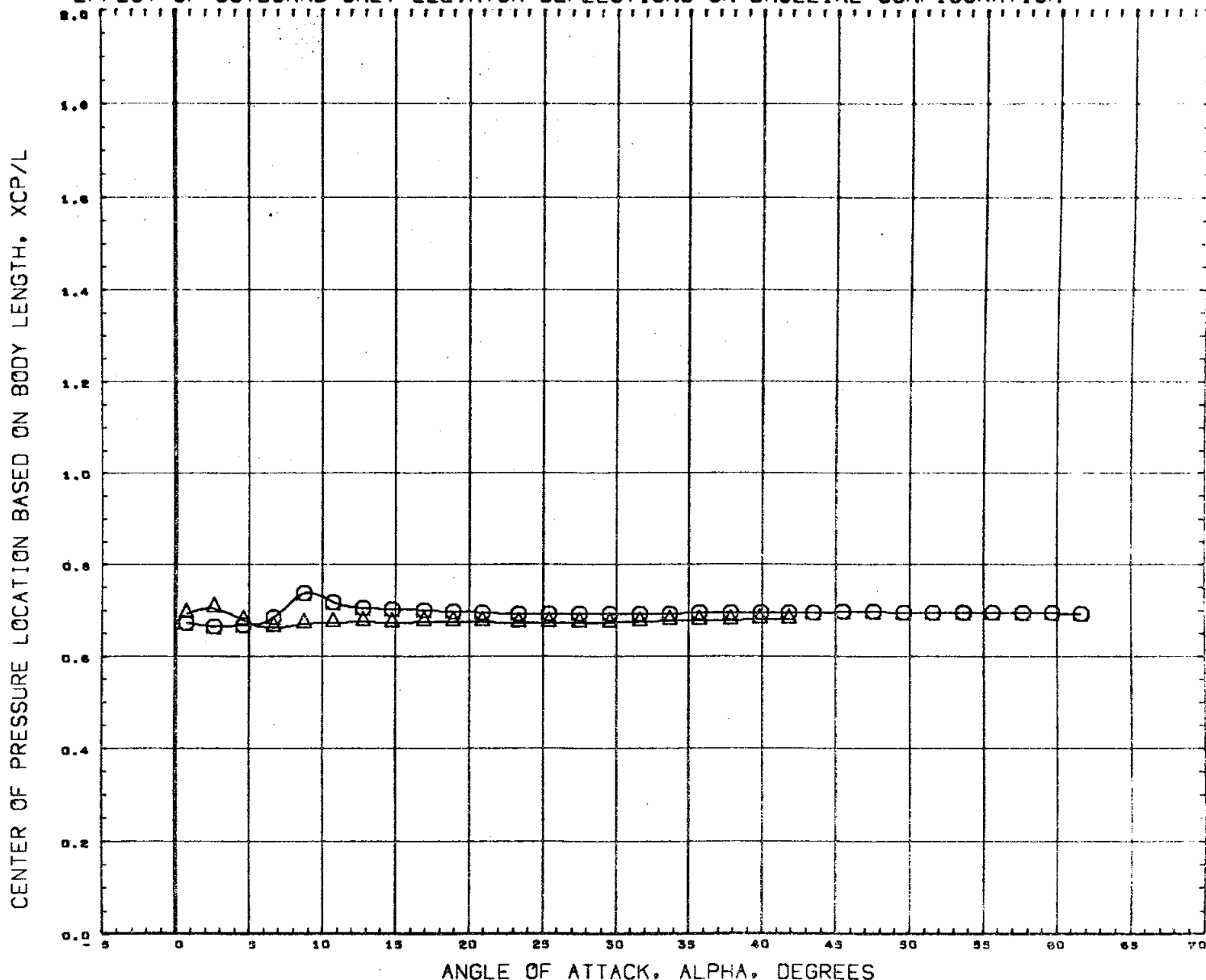
BETA	OBDELV	RUDFLR
0.000	0.000	10.000
0.000	-20.000	10.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 2.99

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EFFECT OF OUTBOARD ONLY ELEVATOR DEFLECTIONS ON BASELINE CONFIGURATION



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
(C76517)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

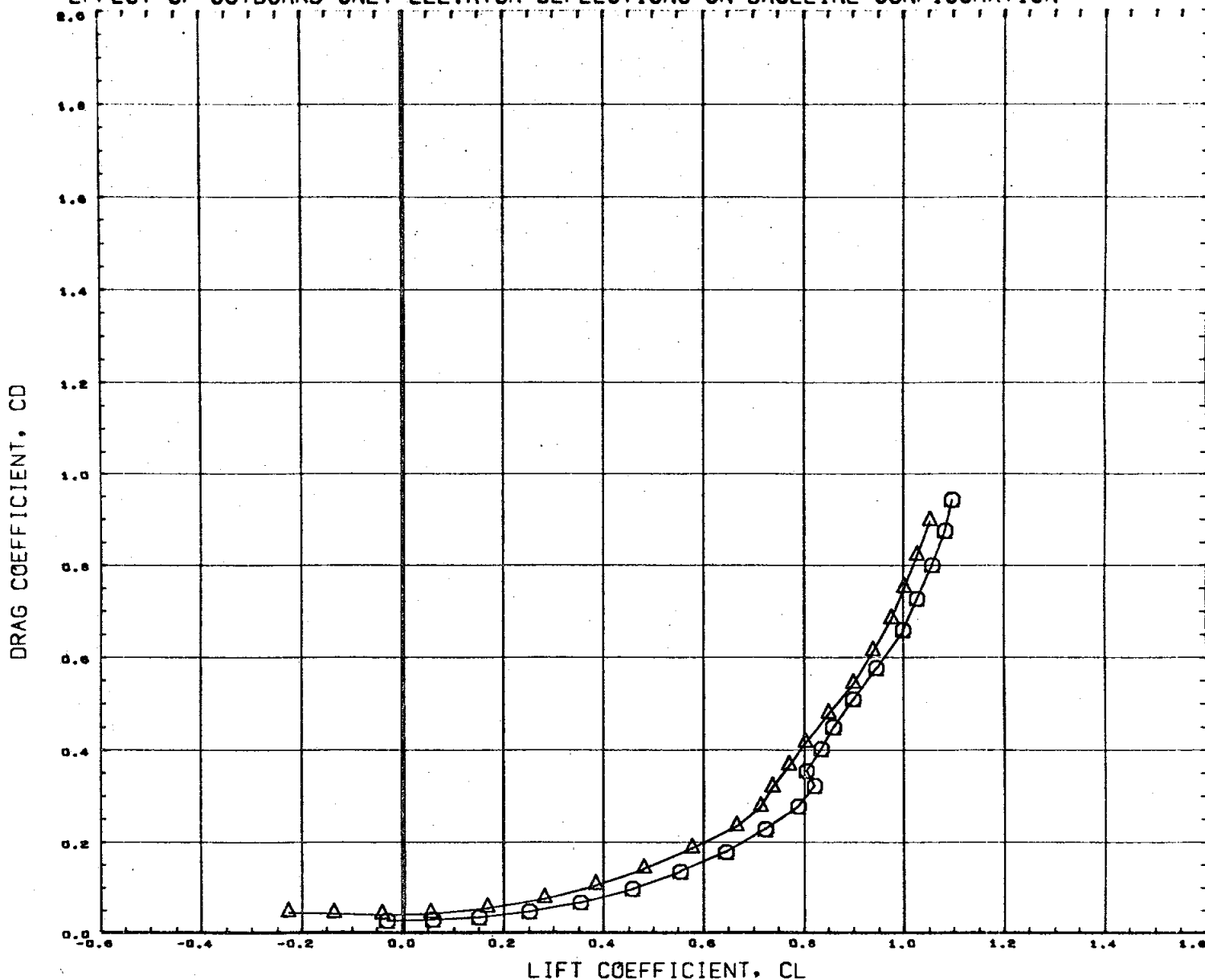
BETA	OBDELV	RUDFLR
0.000	0.000	10.000
0.000	-20.000	10.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 4.96

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EFFECT OF OUTBOARD ONLY ELEVATOR DEFLECTIONS ON BASELINE CONFIGURATION



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(C76305)  M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

(C76317)  M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

BETA OBDELV RUDFLR

0.000 0.000 10.000

0.000 -20.000 10.000

REFERENCE INFORMATION

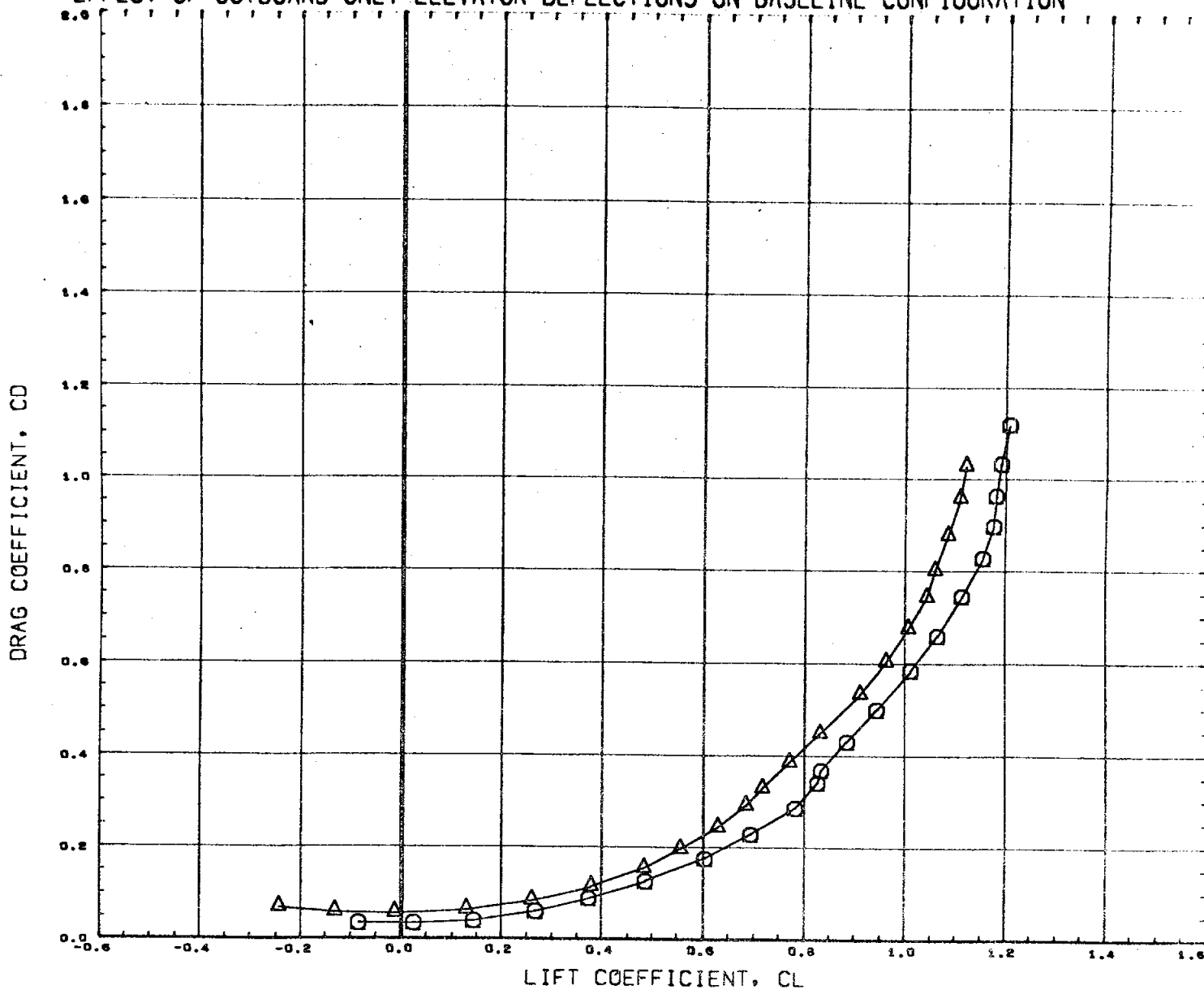
SREF 7.4190 SQ. IN.
LREF 2.1020 IN.
BREF 4.0300 IN.
XMRP 3.4530 IN.
YMRP 0.0000 IN.
ZMRP 0.0000 IN.
SCALE 0.0040

MACH

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EFFECT OF OUTBOARD ONLY ELEVATOR DEFLECTIONS ON BASELINE CONFIGURATION



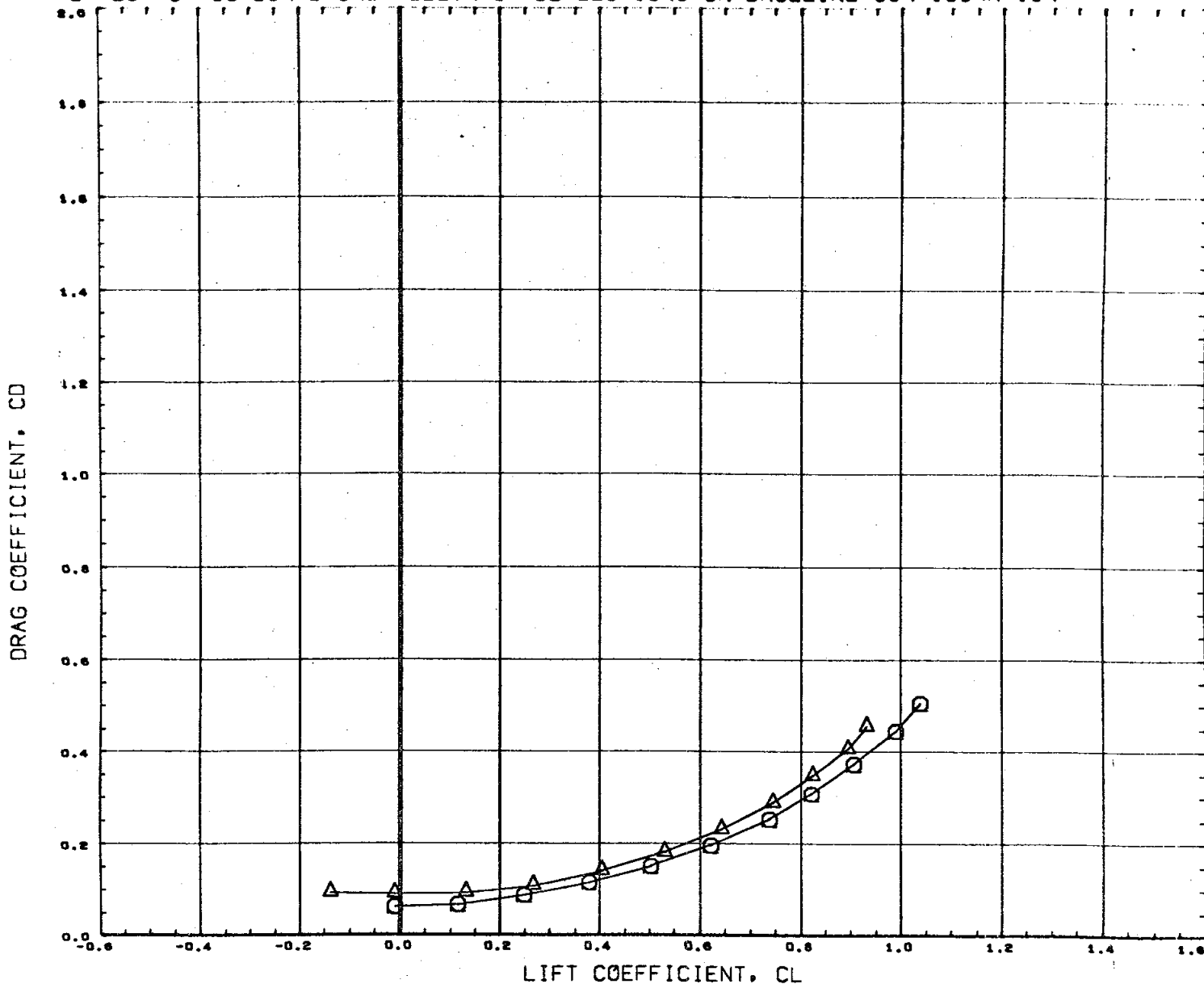
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDELV	RUDFLR
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000
(C76317)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	10.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH .90

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EFFECT OF OUTBOARD ONLY ELEVATOR DEFLECTIONS ON BASELINE CONFIGURATION



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(C76305) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

(C76517) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

BETA	OBDELV	RUDFLR
0.000	0.000	10.000
0.000	-20.000	10.000

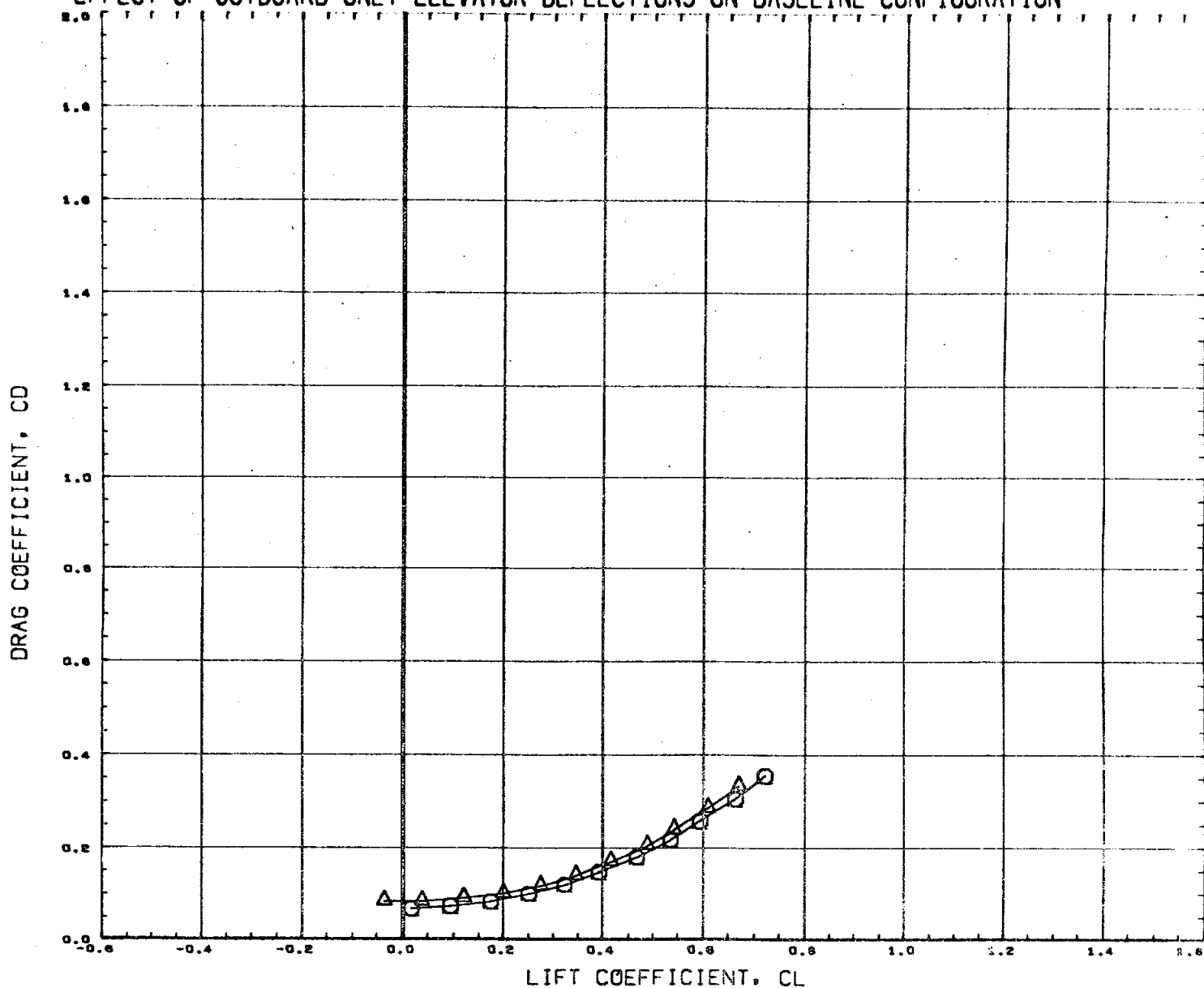
REFERENCE INFORMATION

SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 1.20

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EFFECT OF OUTBOARD ONLY ELEVATOR DEFLECTIONS ON BASELINE CONFIGURATION



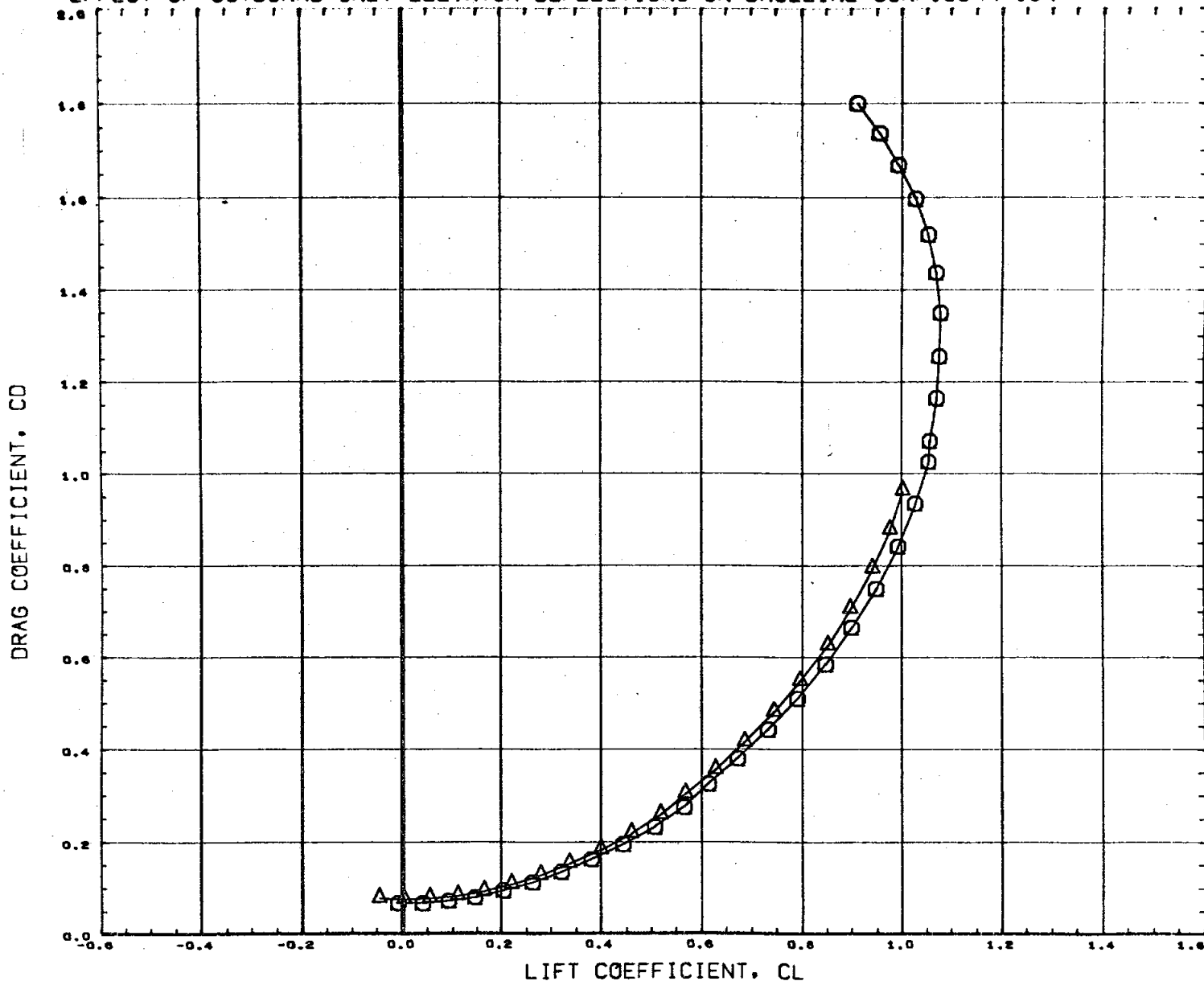
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OSDELV	RUDFLR
(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000
(C76317)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	10.000

REFERENCE INFORMATION		
SREF	7.4190	50. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 1.97

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EFFECT OF OUTBOARD ONLY ELEVATOR DEFLECTIONS ON BASELINE CONFIGURATION

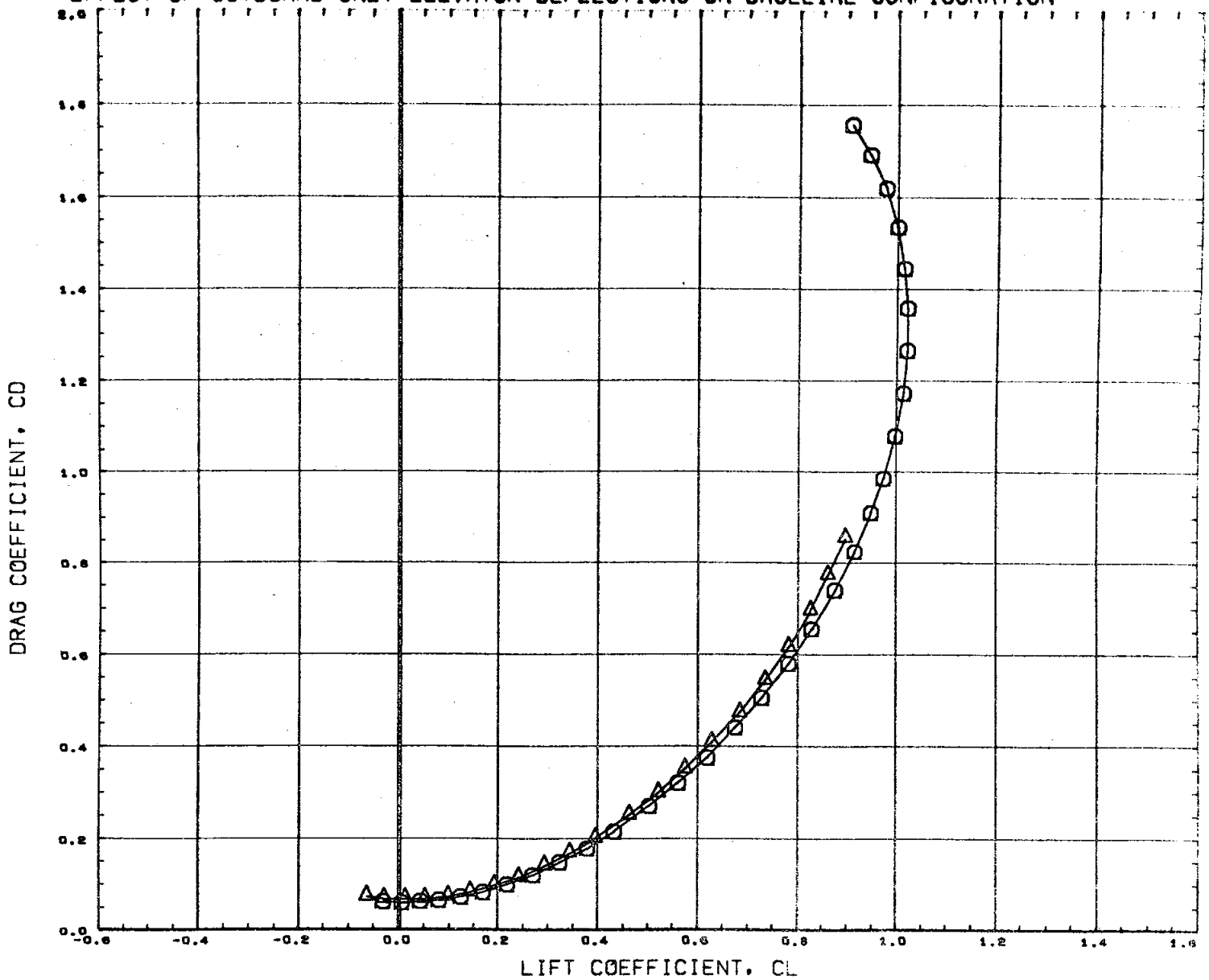


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OSDELV	RUDFLR	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76317)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	10.000	LREF	2.1020 IN.
					BREF	4.0300 IN.
					XMRF	3.4530 IN.
					YMRF	0.0000 IN.
					ZMRF	0.0000 IN.
					SCALE	0.0040

MACH 2.99

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EFFECT OF OUTBOARD ONLY ELEVATOR DEFLECTIONS ON BASELINE CONFIGURATION



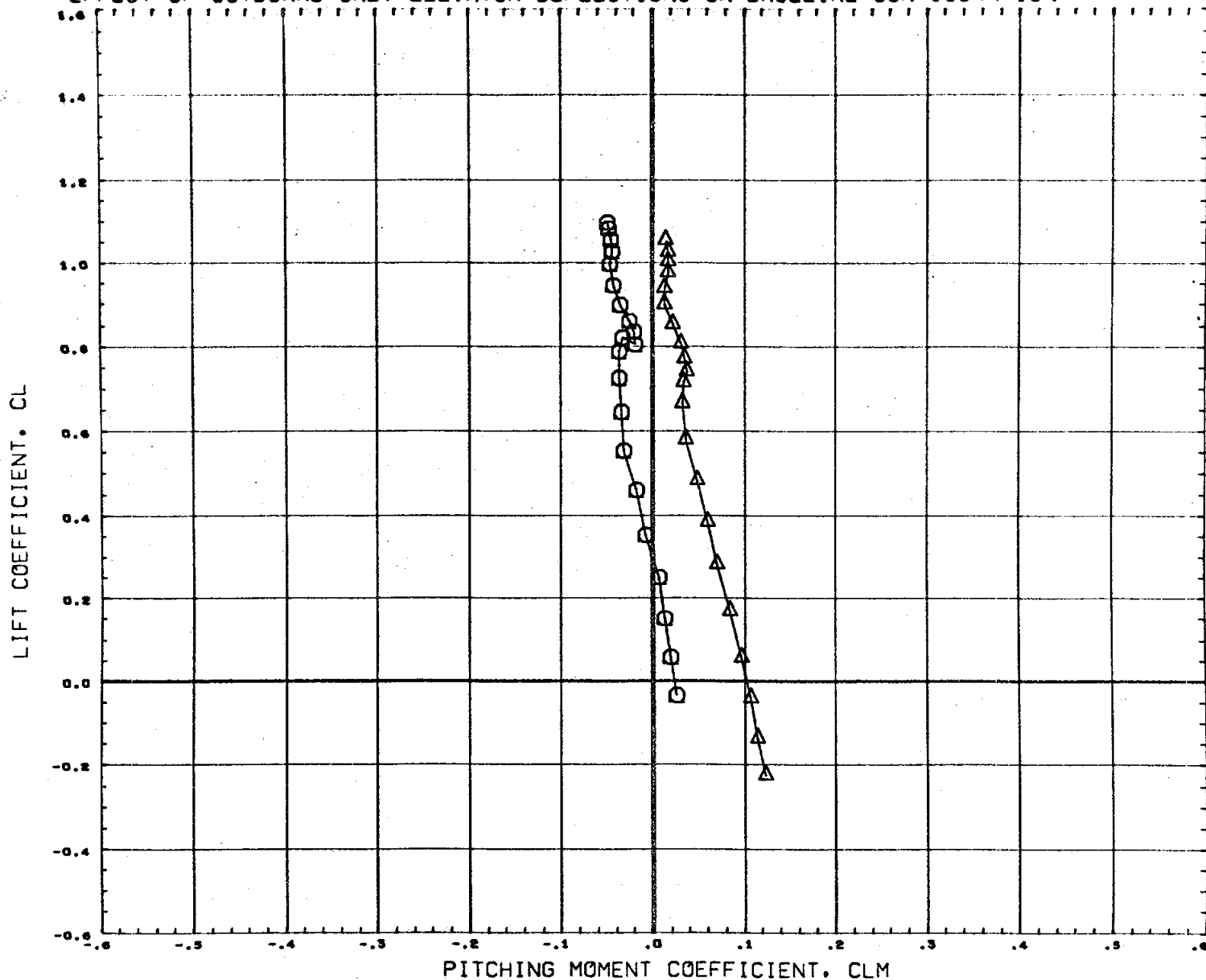
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(C76308)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000
(C76317)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	10.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4550	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 4.96

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EFFECT OF OUTBOARD ONLY ELEVATOR DEFLECTIONS ON BASELINE CONFIGURATION

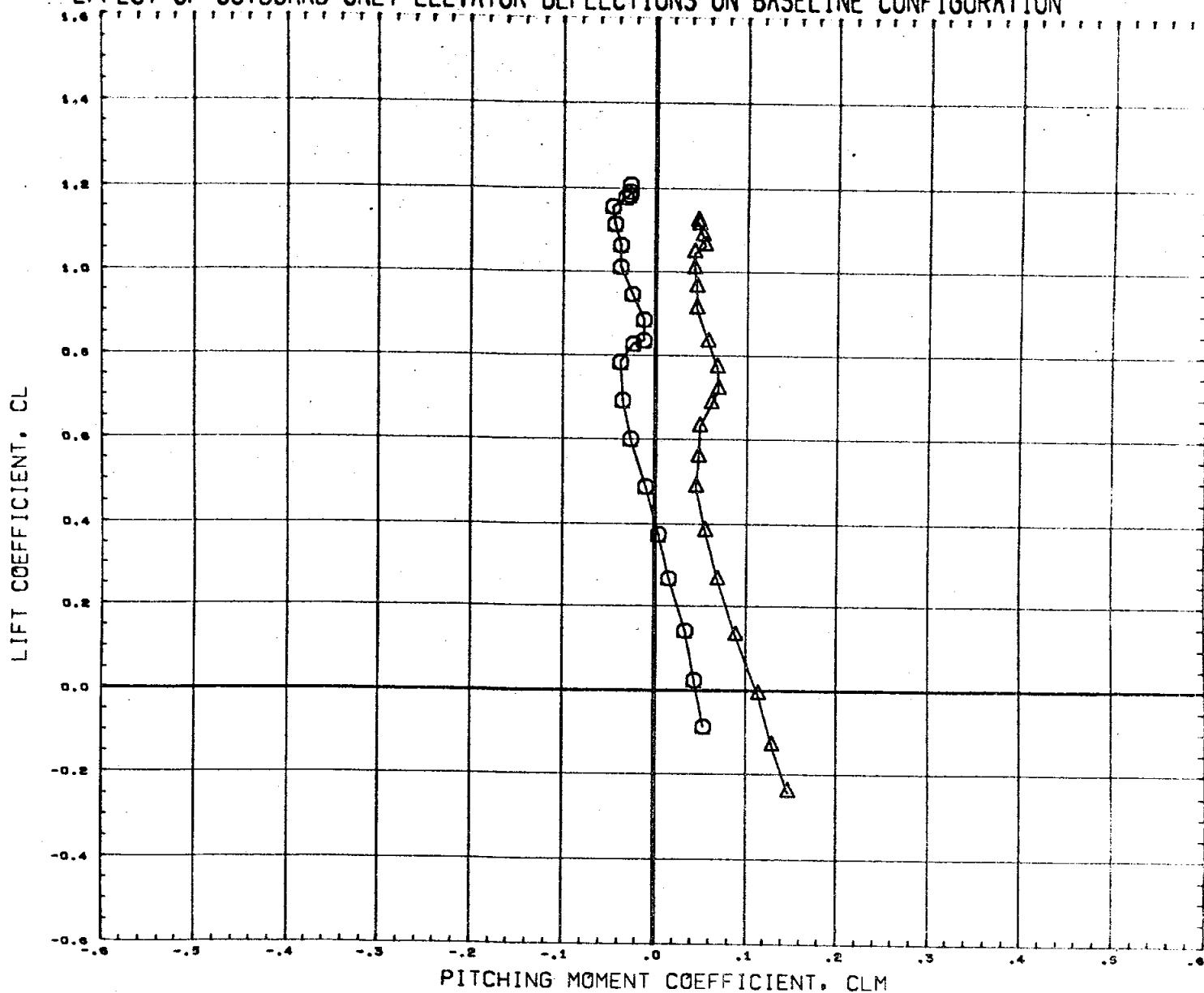


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDELV	RUDFLR	REFERENCE INFORMATION	
(C76S05)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76S17)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	10.000	LREF	2.1020 IN.
					BREF	4.0300 IN.
					XMRP	3.4330 IN.
					YMRP	0.0000 IN.
					ZMRP	0.0000 IN.
					SCALE	0.0040

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EFFECT OF OUTBOARD ONLY ELEVATOR DEFLECTIONS ON BASELINE CONFIGURATION



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(C76305) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

(C76817) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

BETA OBDELV RUDFLR

0.000 0.000 10.000

0.000 -20.000 10.000

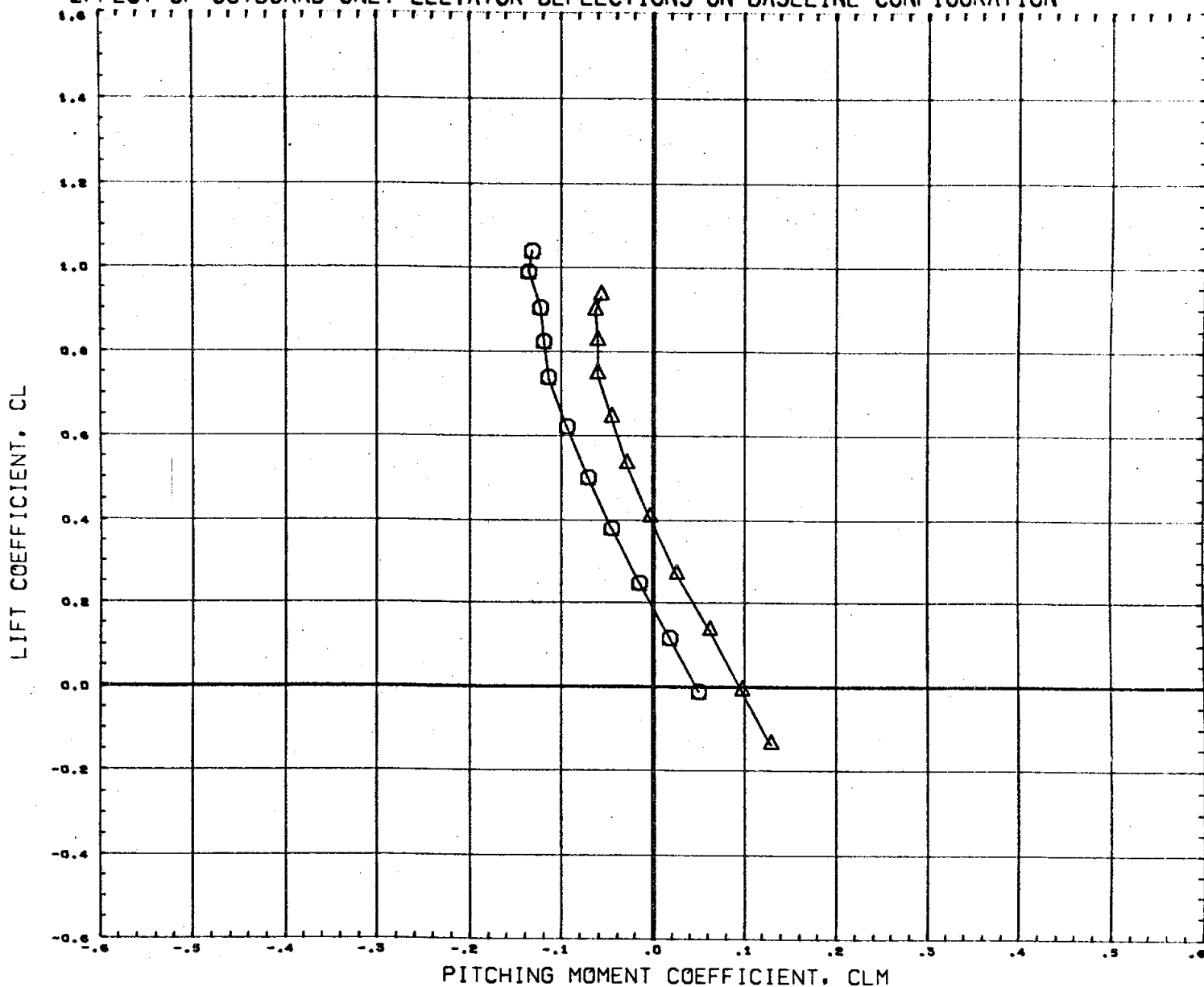
REFERENCE INFORMATION

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BREF 4.0300 IN.
XMRP 3.4530 IN.
YMRP 0.0000 IN.
ZMRP 0.0000 IN.
SCALE 0.0040

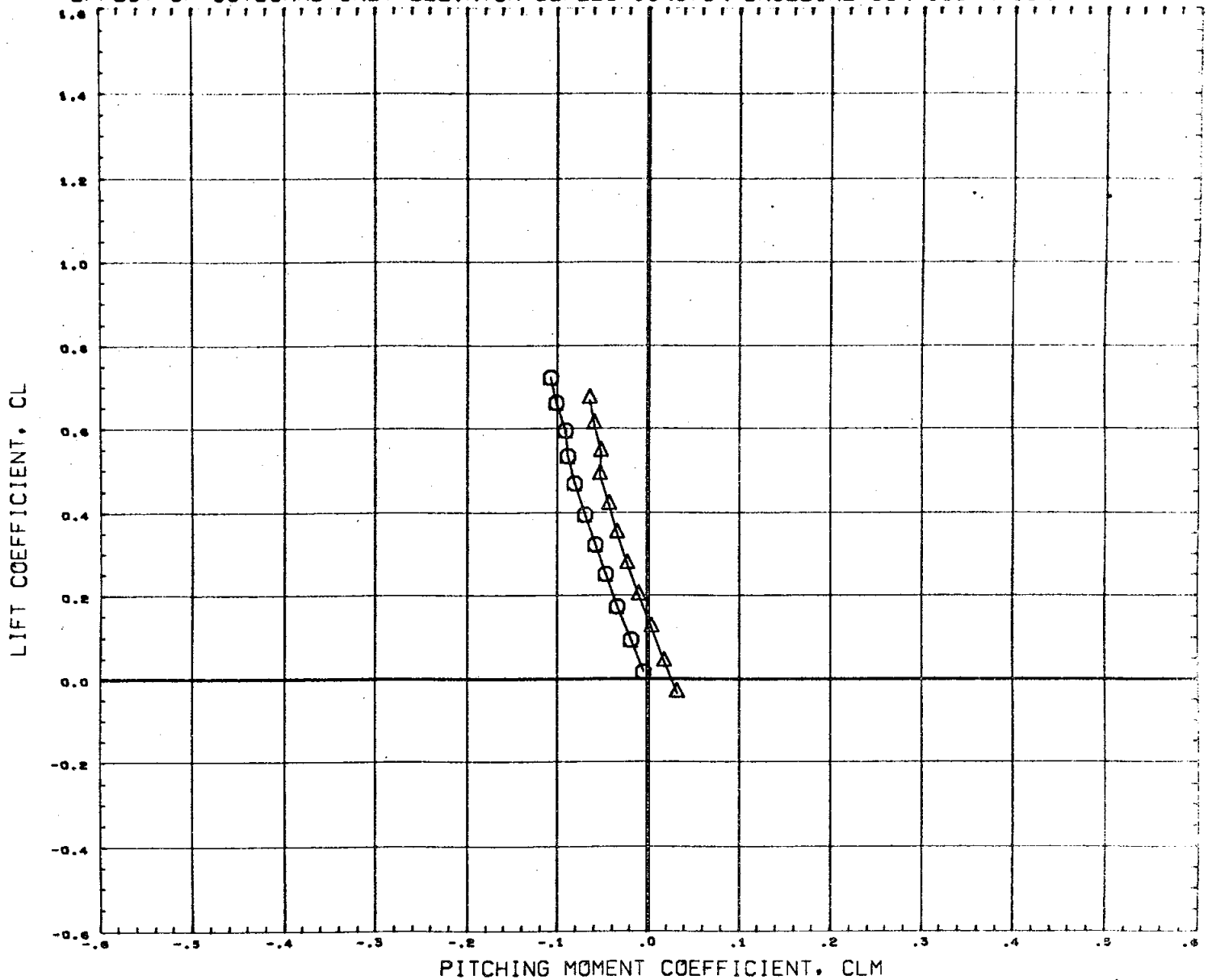
MACH .90

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EFFECT OF OUTBOARD ONLY ELEVATOR DEFLECTIONS ON BASELINE CONFIGURATION



EFFECT OF OUTBOARD ONLY ELEVATOR DEFLECTIONS ON BASELINE CONFIGURATION



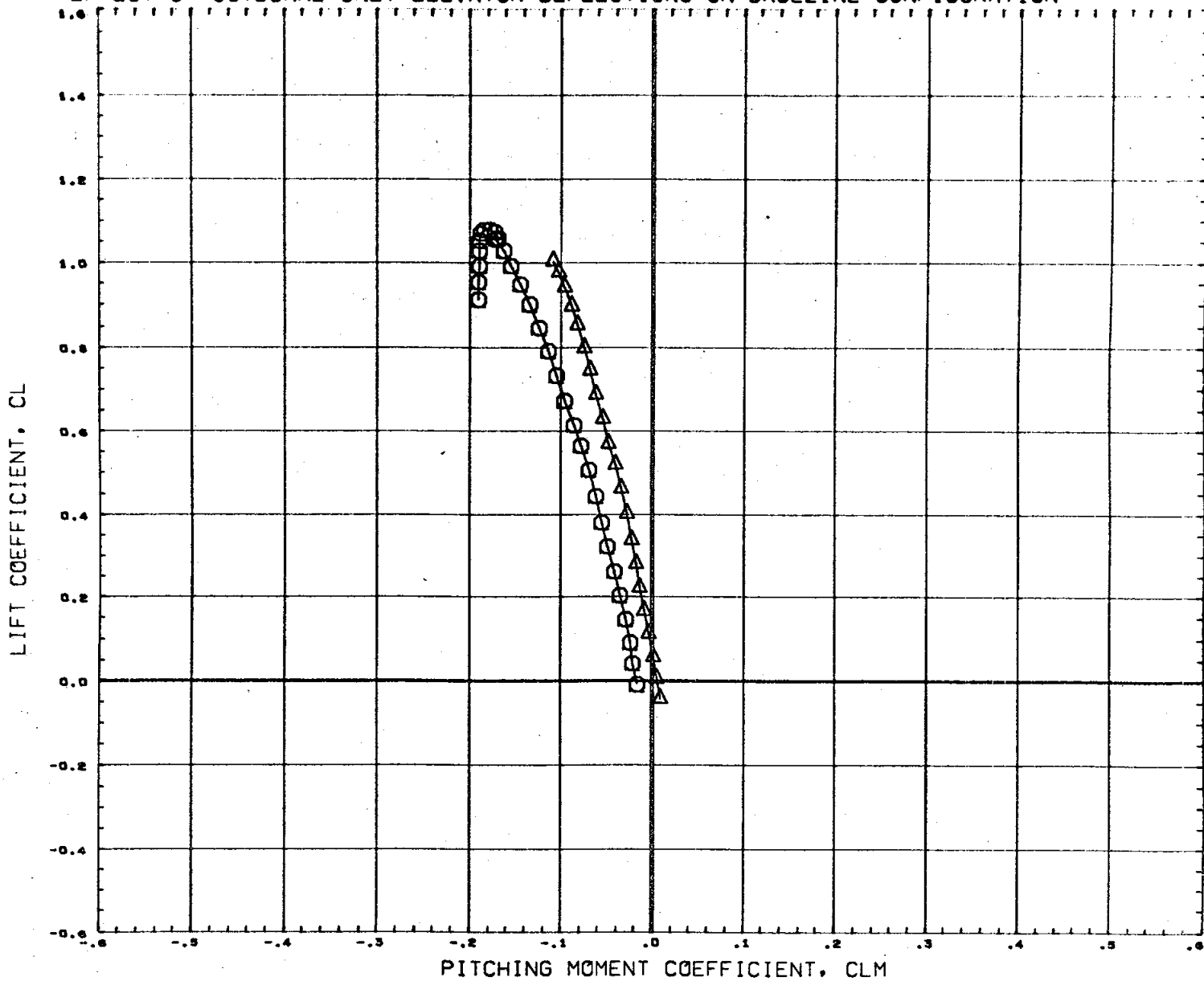
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDELV	RUDFLR
(C76305)	M555 (FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000
(C76317)	M555 (FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	10.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 1.97

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EFFECT OF OUTBOARD ONLY ELEVATOR DEFLECTIONS ON BASELINE CONFIGURATION

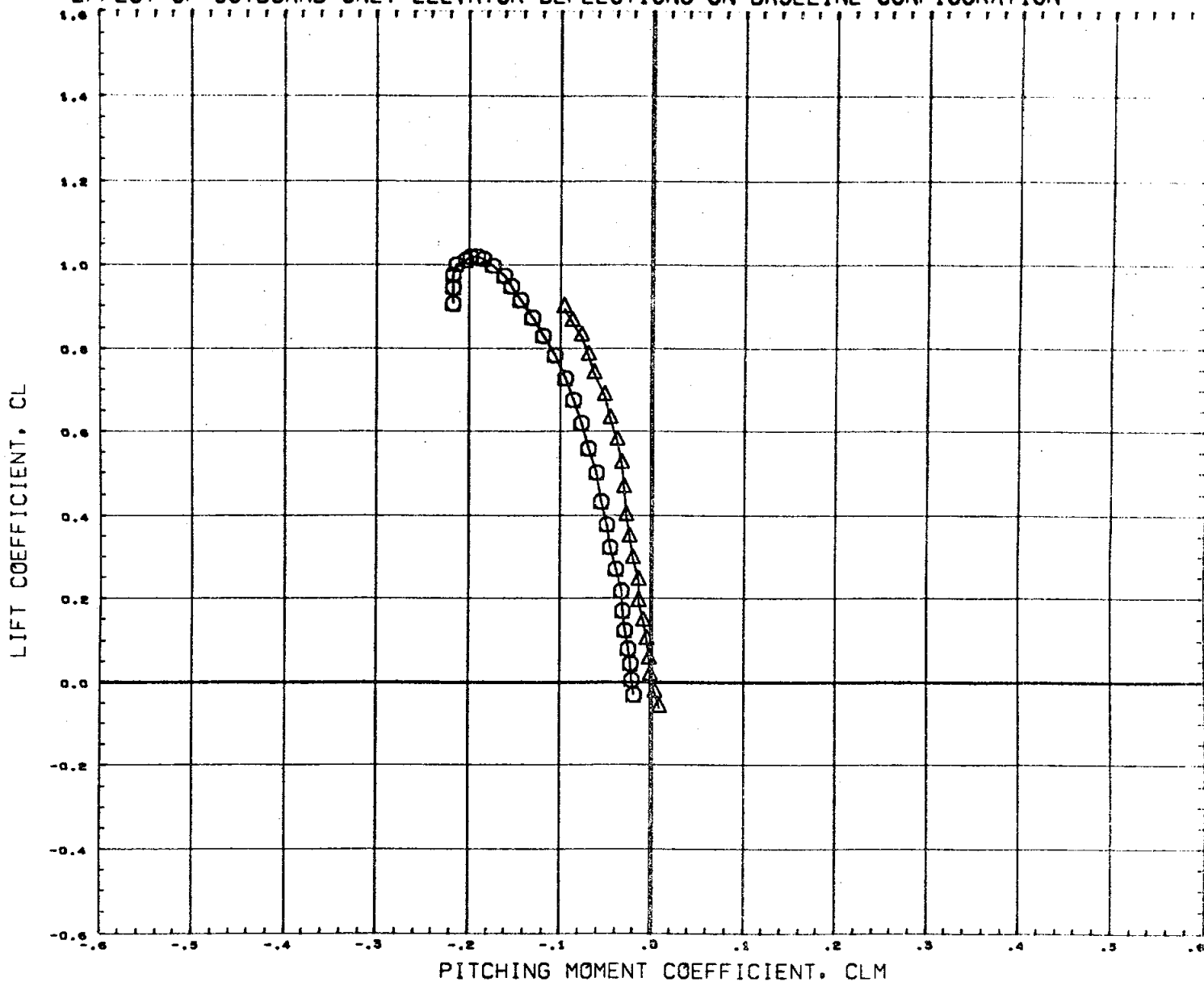


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDELV	RUDFLR	REFERENCE INFORMATION	
(C7630S)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76317)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	10.000	LREF	2.1020 IN.
					BREF	4.0300 IN.
					XMRP	3.4530 IN.
					YMRP	0.0000 IN.
					ZMRP	0.0000 IN.
					SCALE	0.0040

MACH 2.99

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EFFECT OF OUTBOARD ONLY ELEVATOR DEFLECTIONS ON BASELINE CONFIGURATION

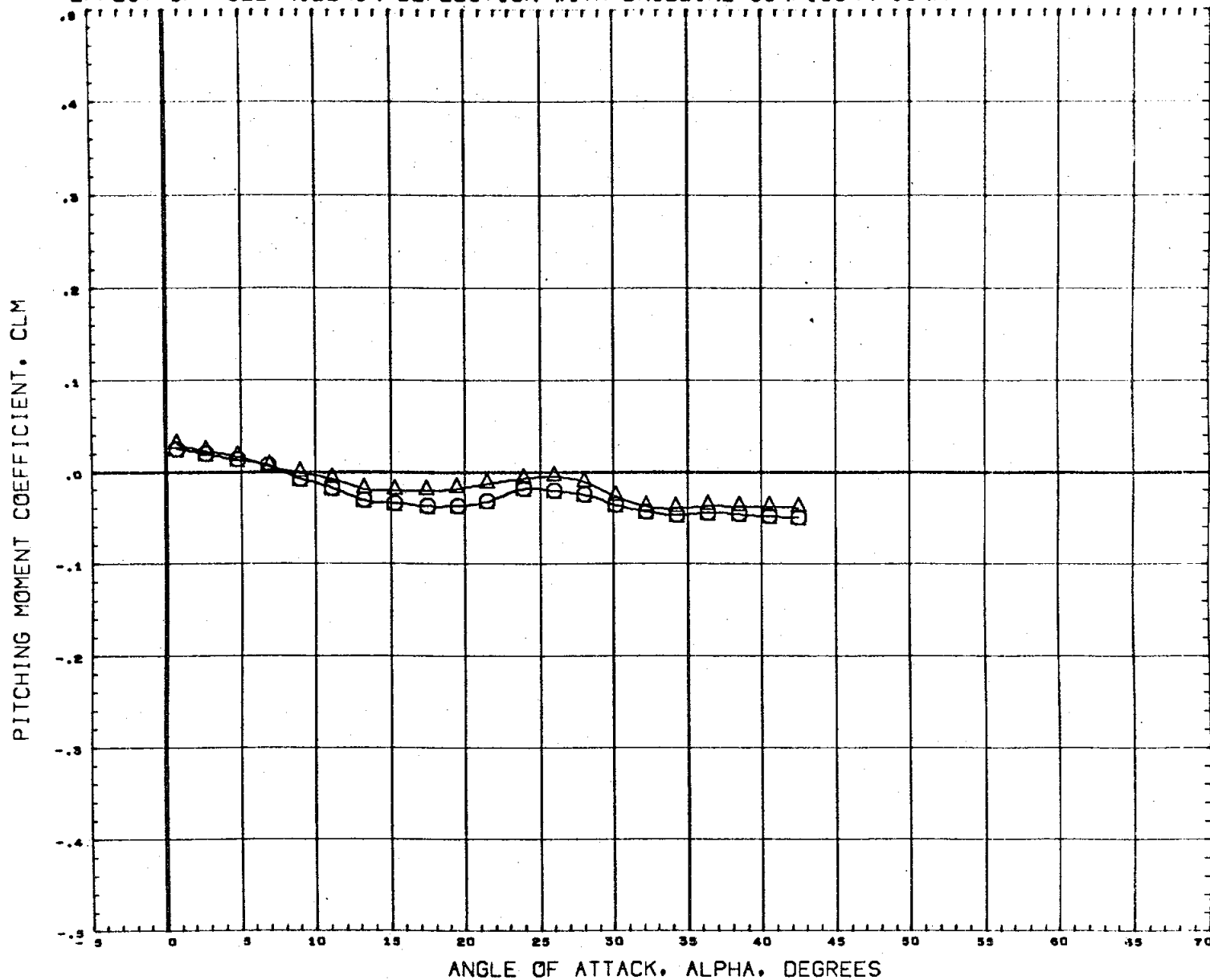


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDELV	RUDFLR	REFERENCE INFORMATION	
(C76305)	M555 (PA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76517)	M555 (PA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	10.000	LREF	2.1020 IN.
					BREF	4.0300 IN.
					XMRP	3.4930 IN.
					YMRP	0.0000 IN.
					ZMRP	0.0000 IN.
					SCALE	0.0040

MACH 4.96

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EFFECT OF FULL AILERON DEFLECTION WITH BASELINE CONFIGURATION



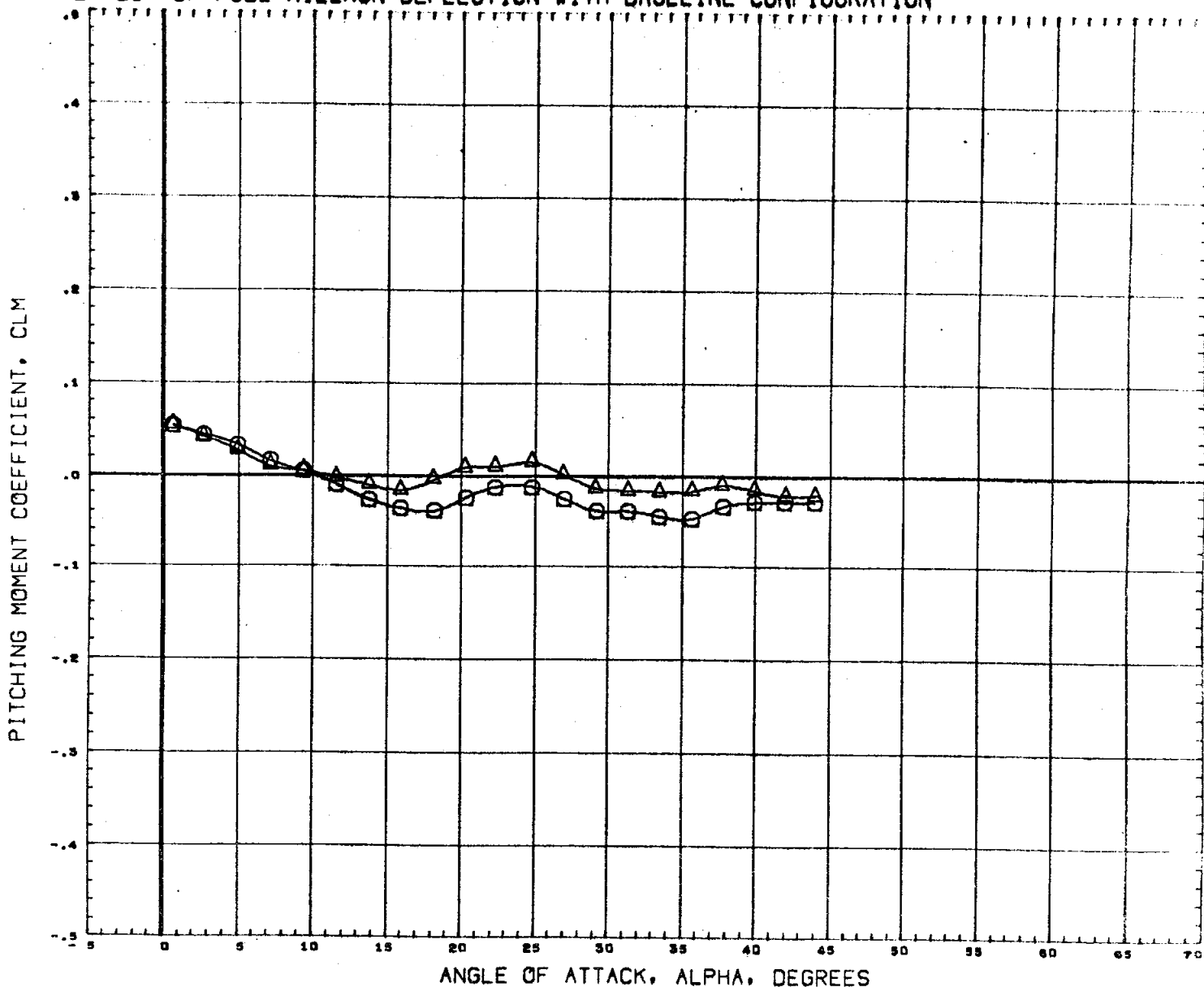
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 30. IN.
(C76519)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	10.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH

.59

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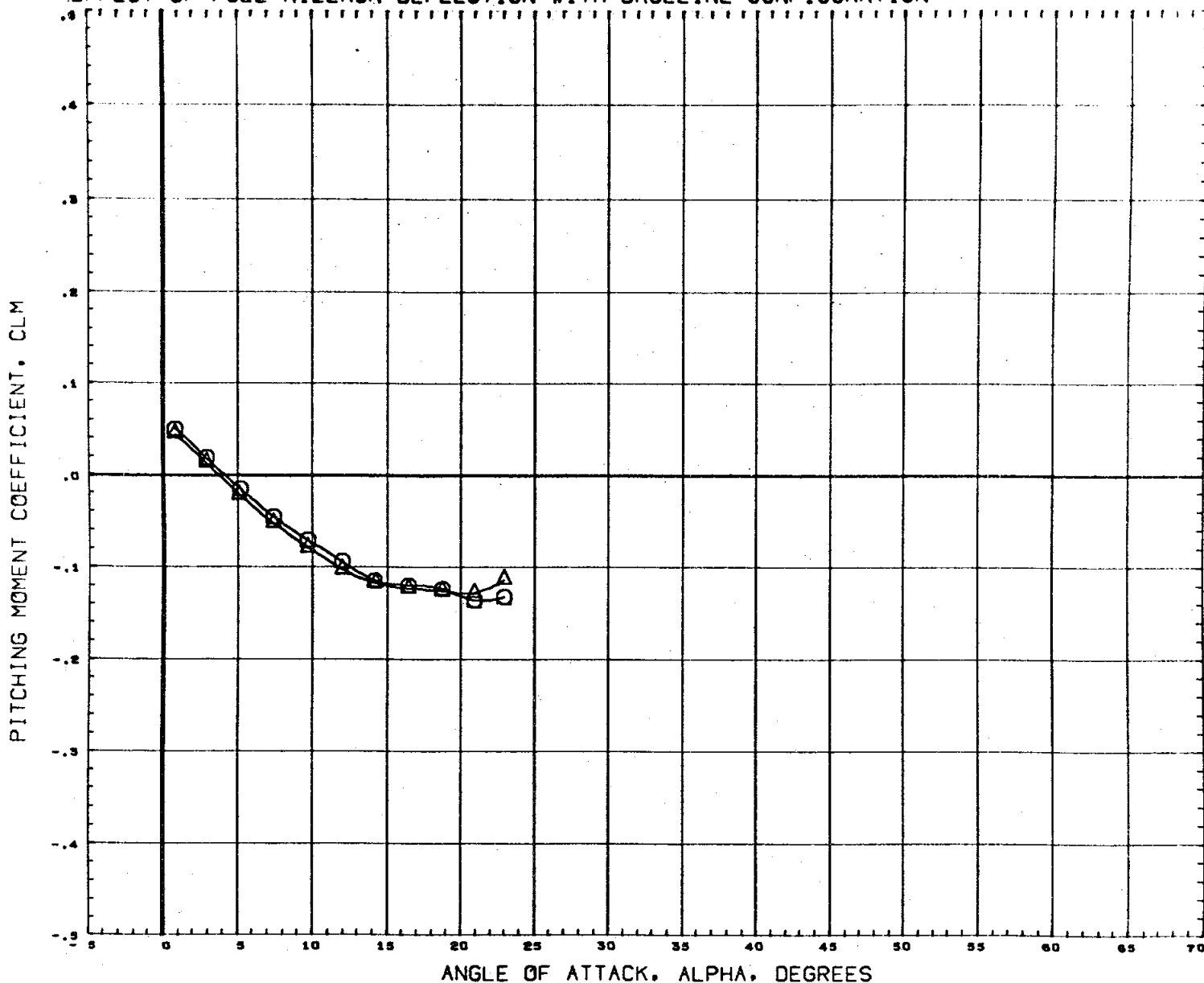
EFFECT OF FULL AILERON DEFLECTION WITH BASELINE CONFIGURATION



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C7630S)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76319)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	10.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRF	3.4330 IN.
						YMRF	0.0000 IN.
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MACH .90

EFFECT OF FULL AILERON DEFLECTION WITH BASELINE CONFIGURATION

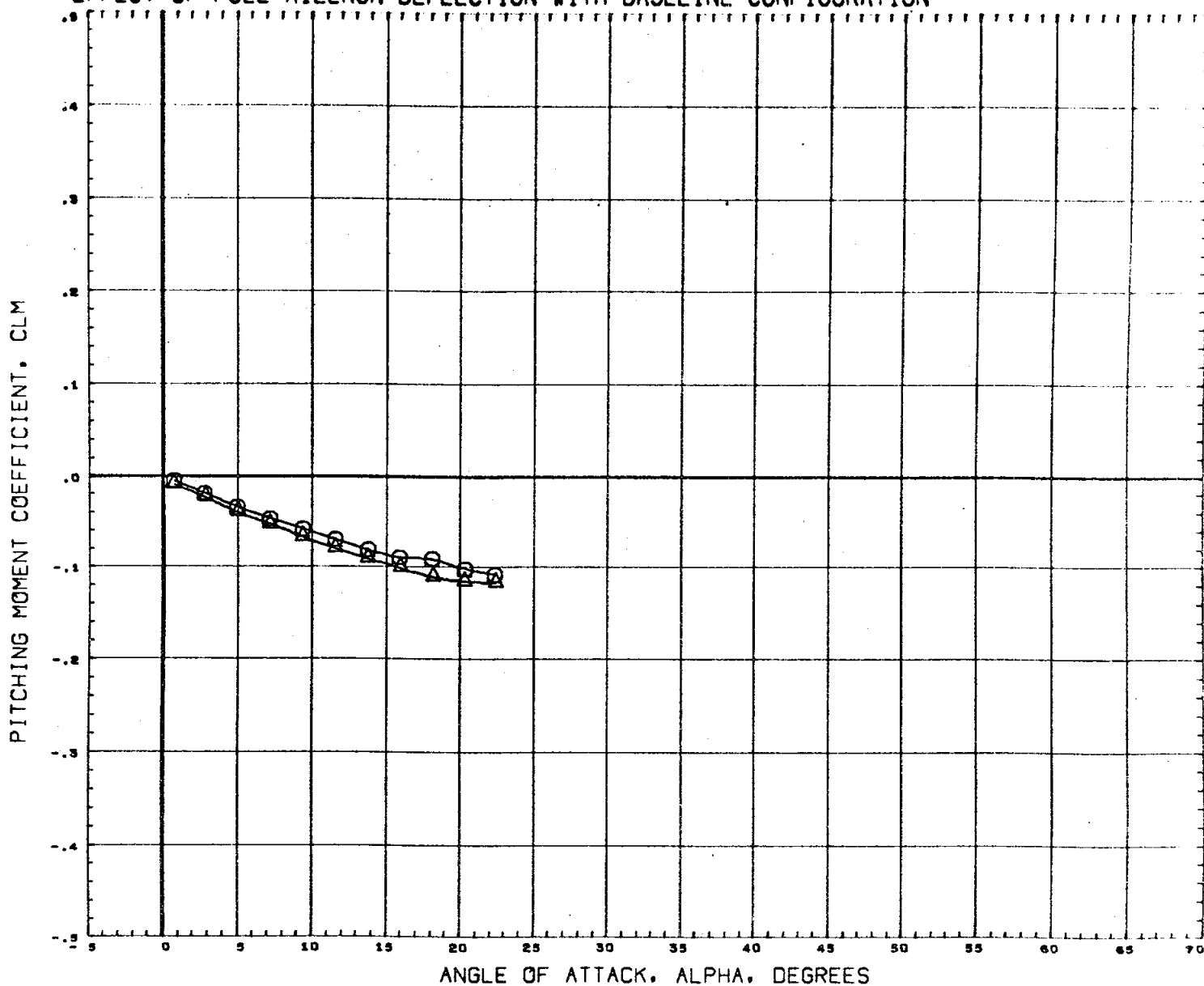


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (81C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76319)	M555 (FA3) NAR ATP ORB (81C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	10.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 1.20

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EFFECT OF FULL AILERON DEFLECTION WITH BASELINE CONFIGURATION

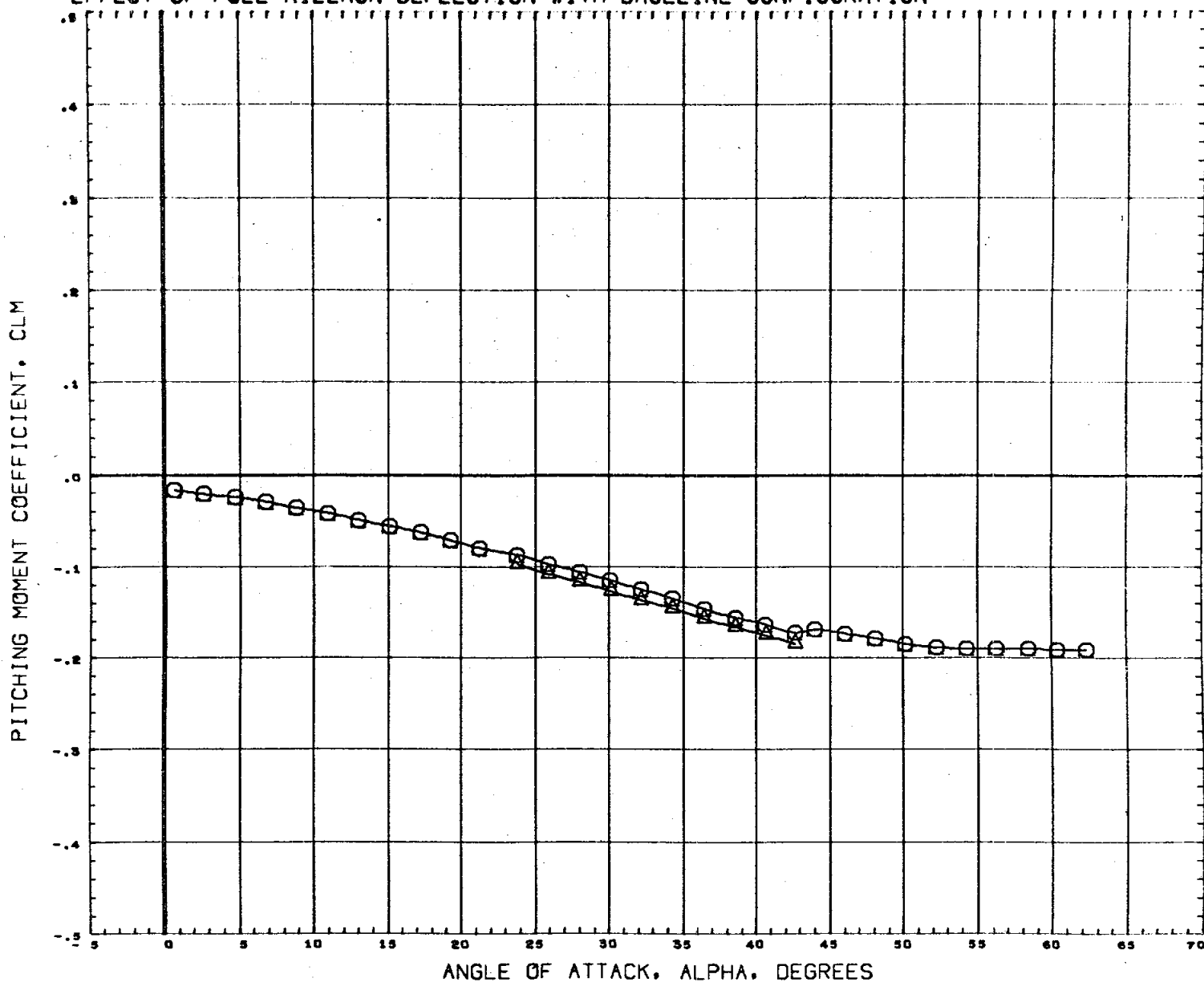


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C76303)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76319)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	10.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 1.97

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EFFECT OF FULL AILERON DEFLECTION WITH BASELINE CONFIGURATION

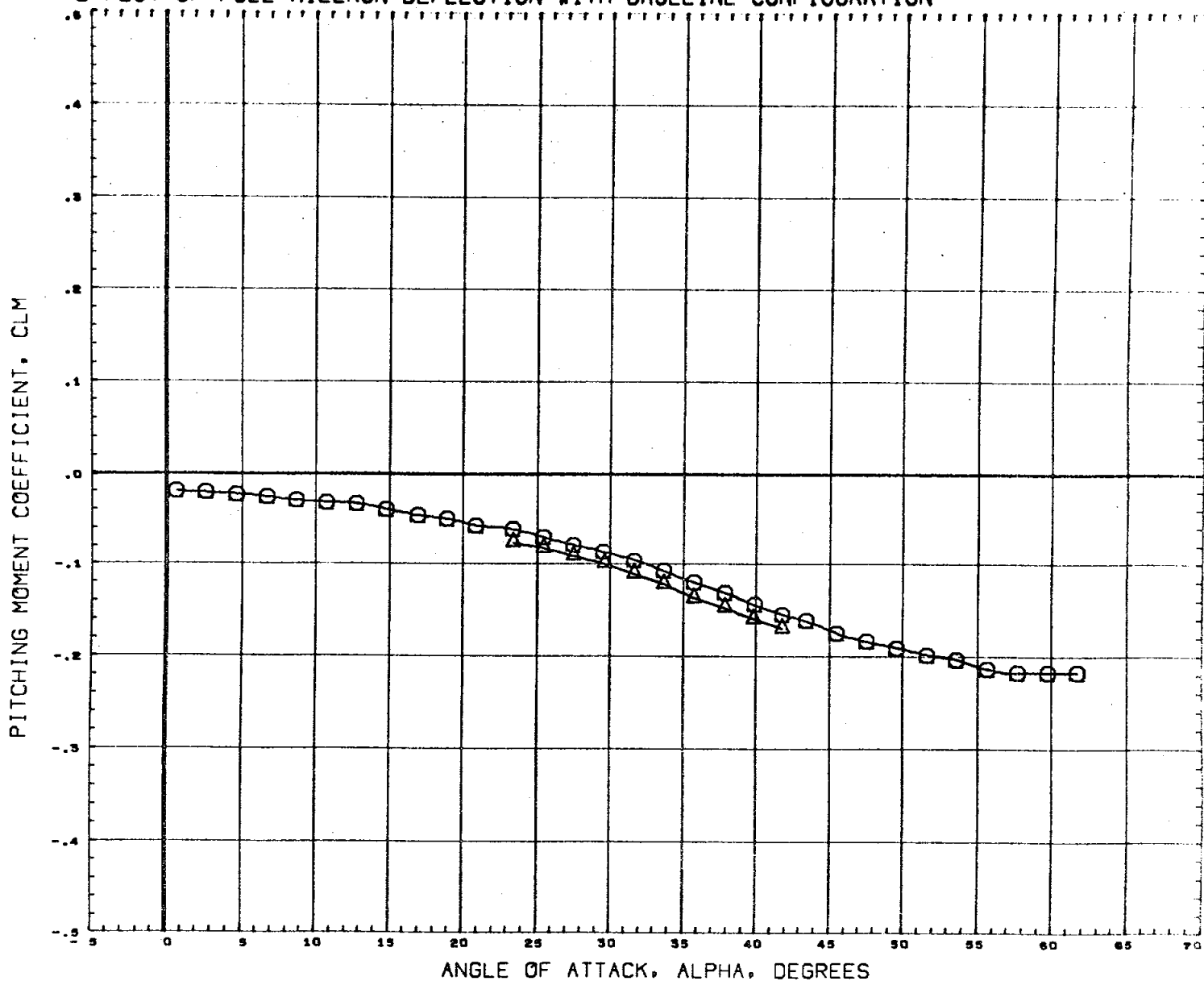


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C76305)	M555 (FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76519)	M555 (FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	10.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 2.99

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EFFECT OF FULL AILERON DEFLECTION WITH BASELINE CONFIGURATION

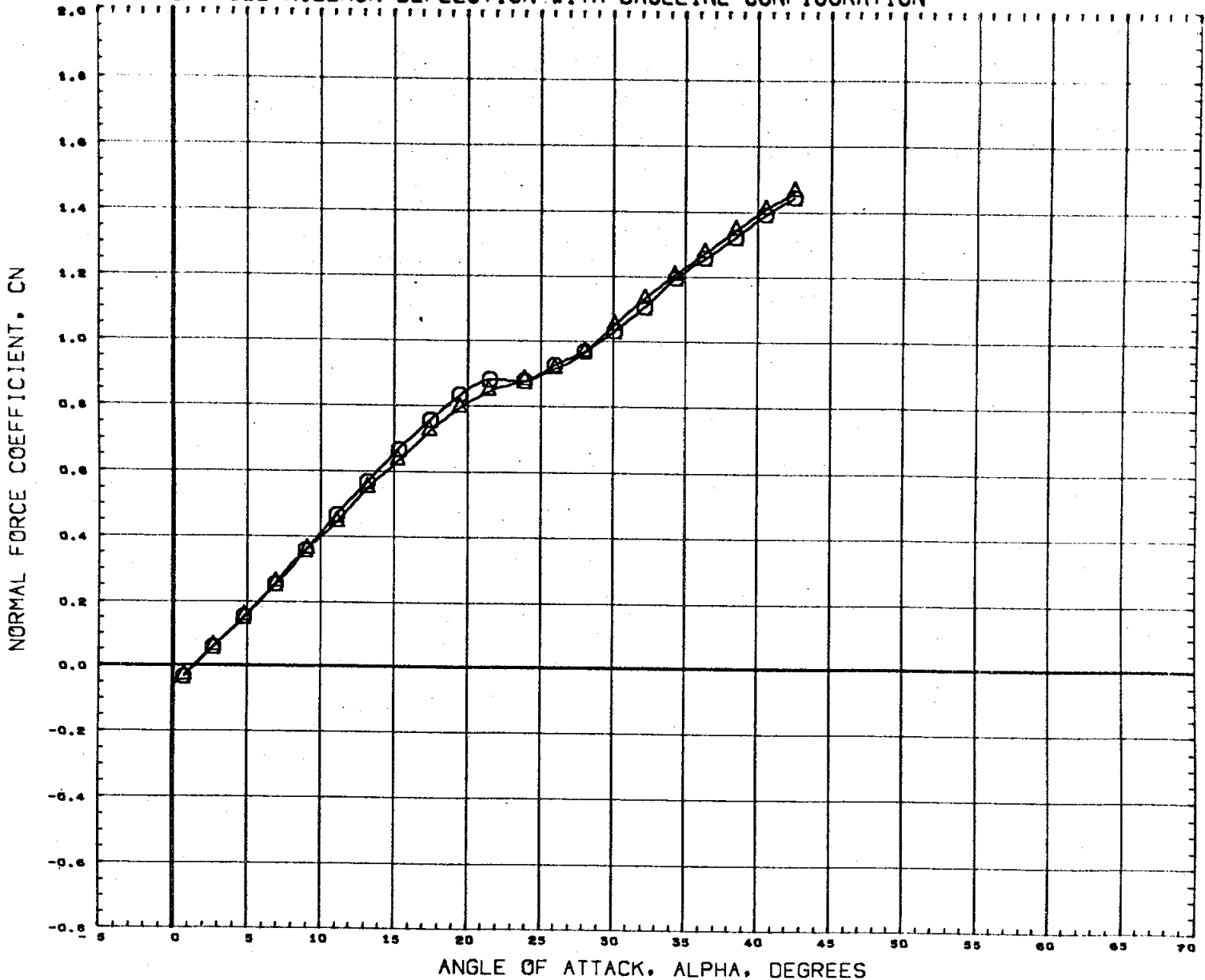


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76319)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	10.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4550 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 4.96

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EFFECT OF FULL AILERON DEFLECTION WITH BASELINE CONFIGURATION

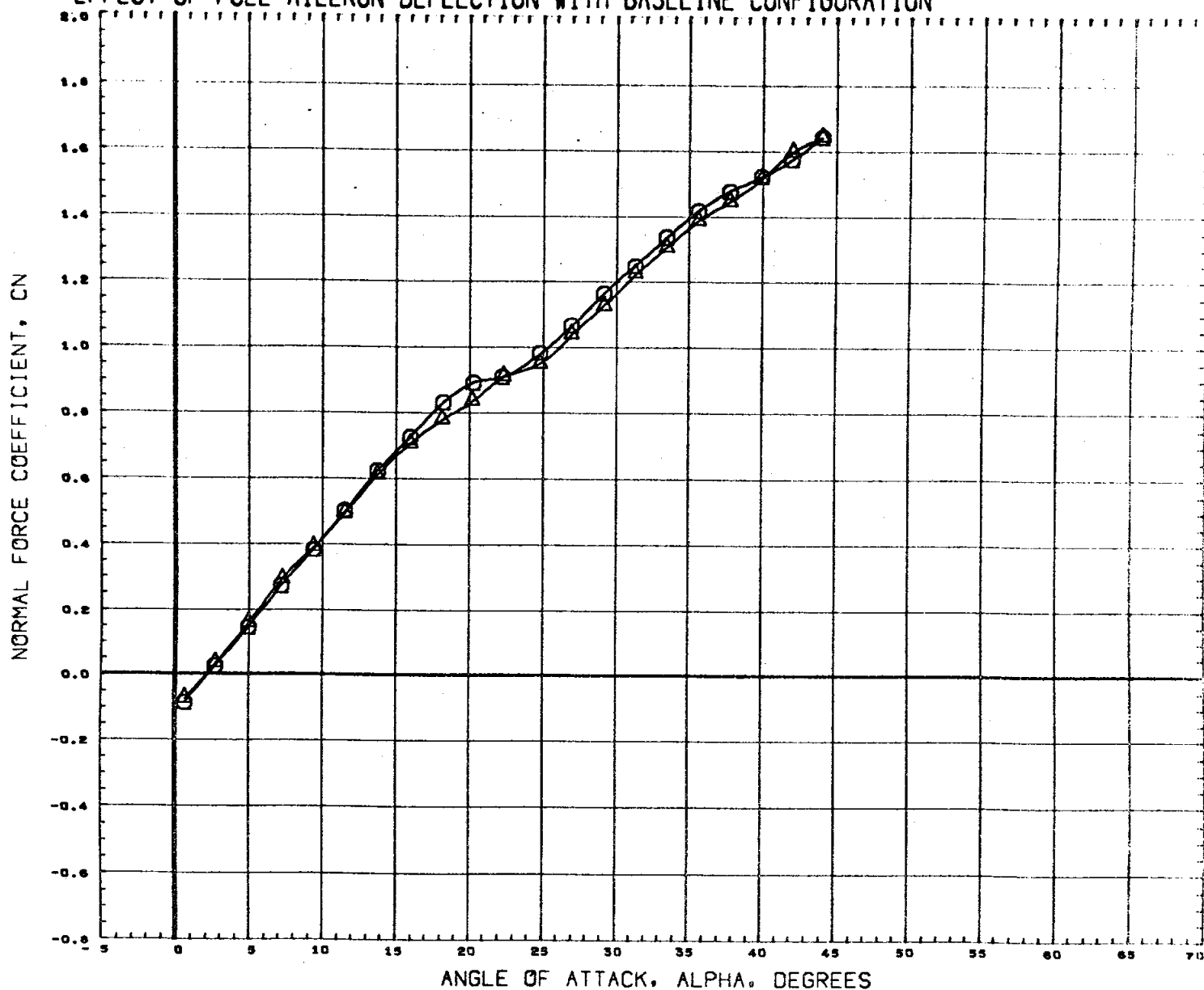


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C76308)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76319)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	10.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH .59

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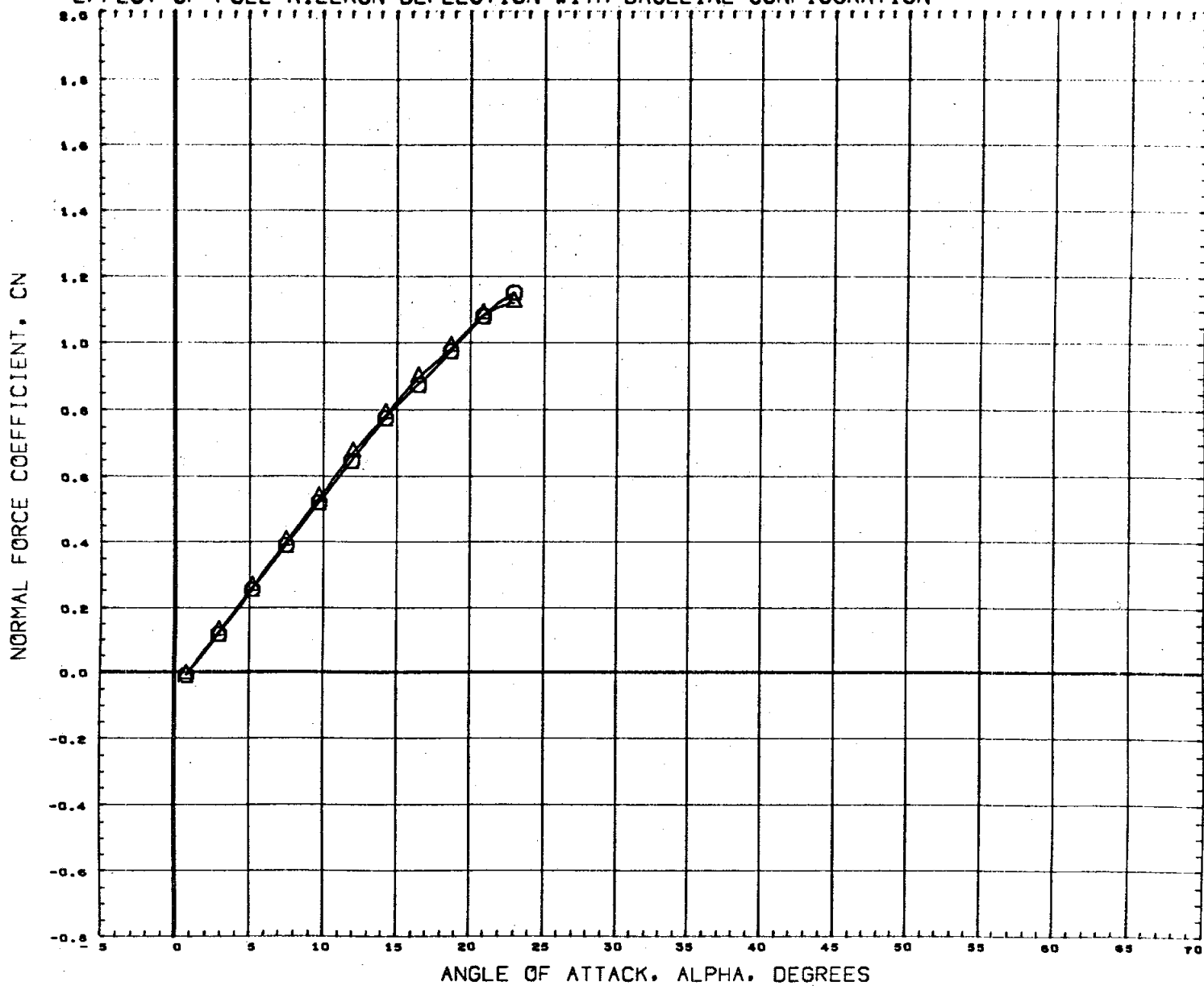
EFFECT OF FULL AILERON DEFLECTION WITH BASELINE CONFIGURATION



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76519)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	10.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH .90

EFFECT OF FULL AILERON DEFLECTION WITH BASELINE CONFIGURATION

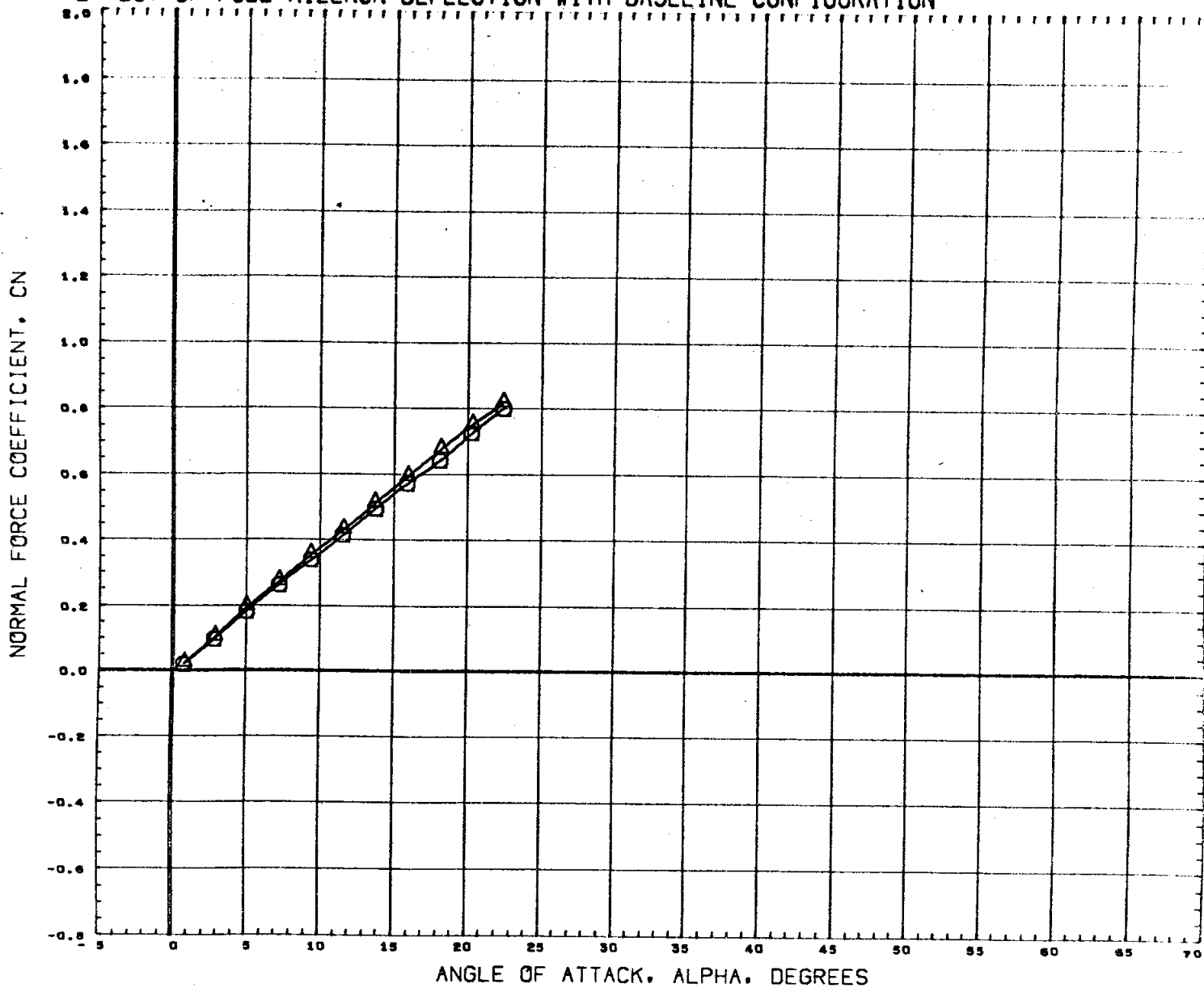


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76519)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	10.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4330 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 1.20

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EFFECT OF FULL AILERON DEFLECTION WITH BASELINE CONFIGURATION

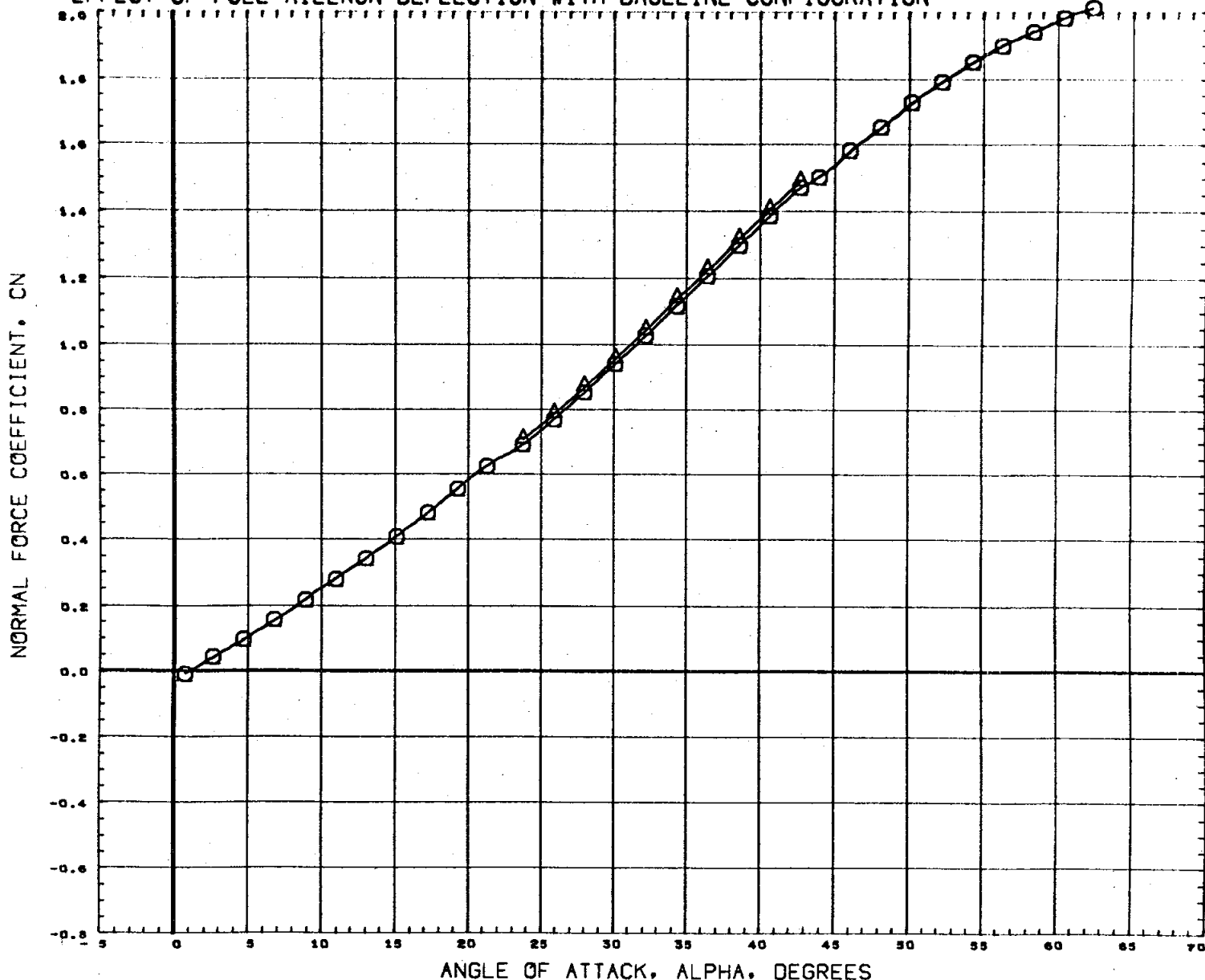


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76519)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	10.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0041

MACH 1.97

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EFFECT OF FULL AILERON DEFLECTION WITH BASELINE CONFIGURATION

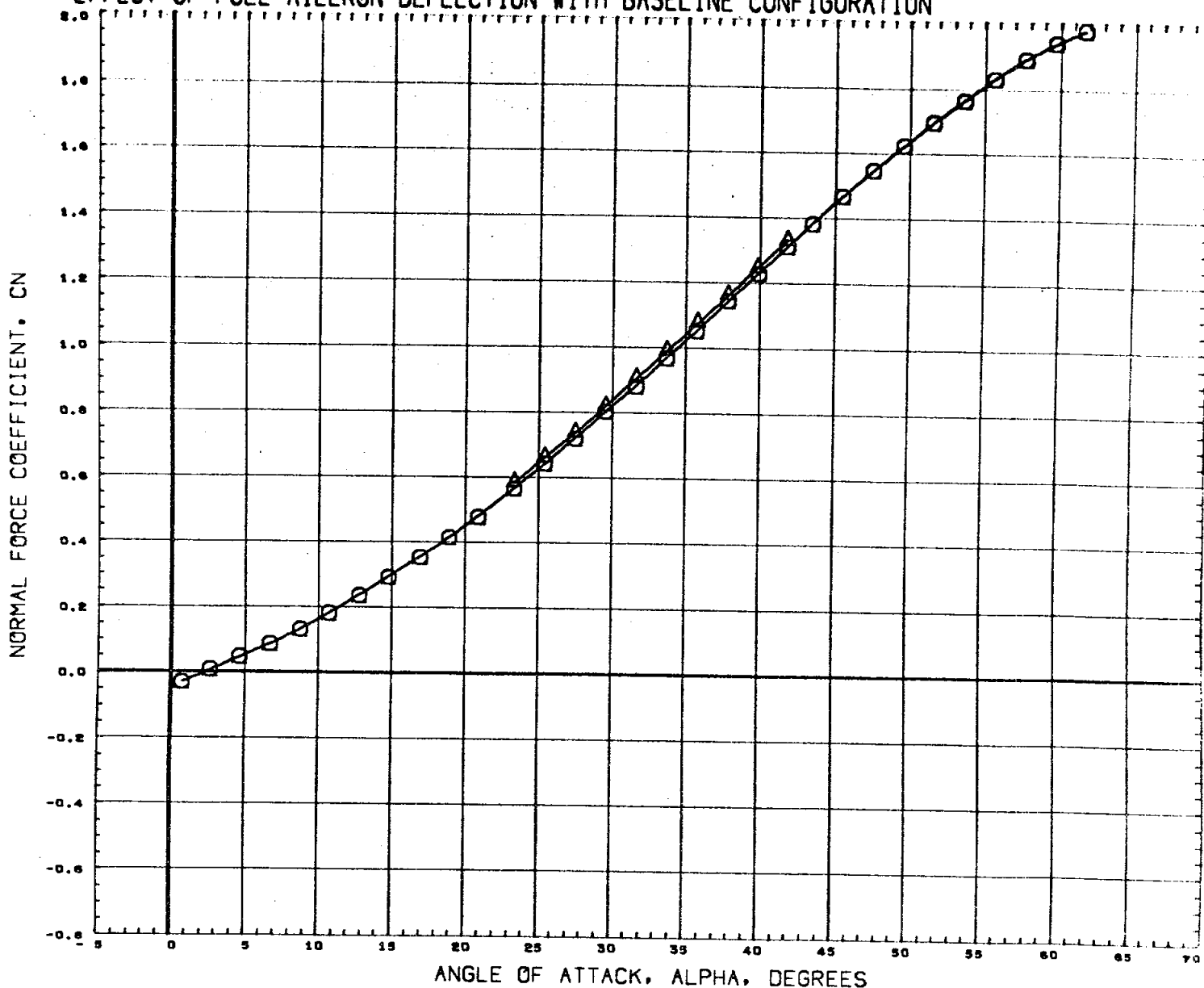


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
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(C76319)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	10.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 2.99

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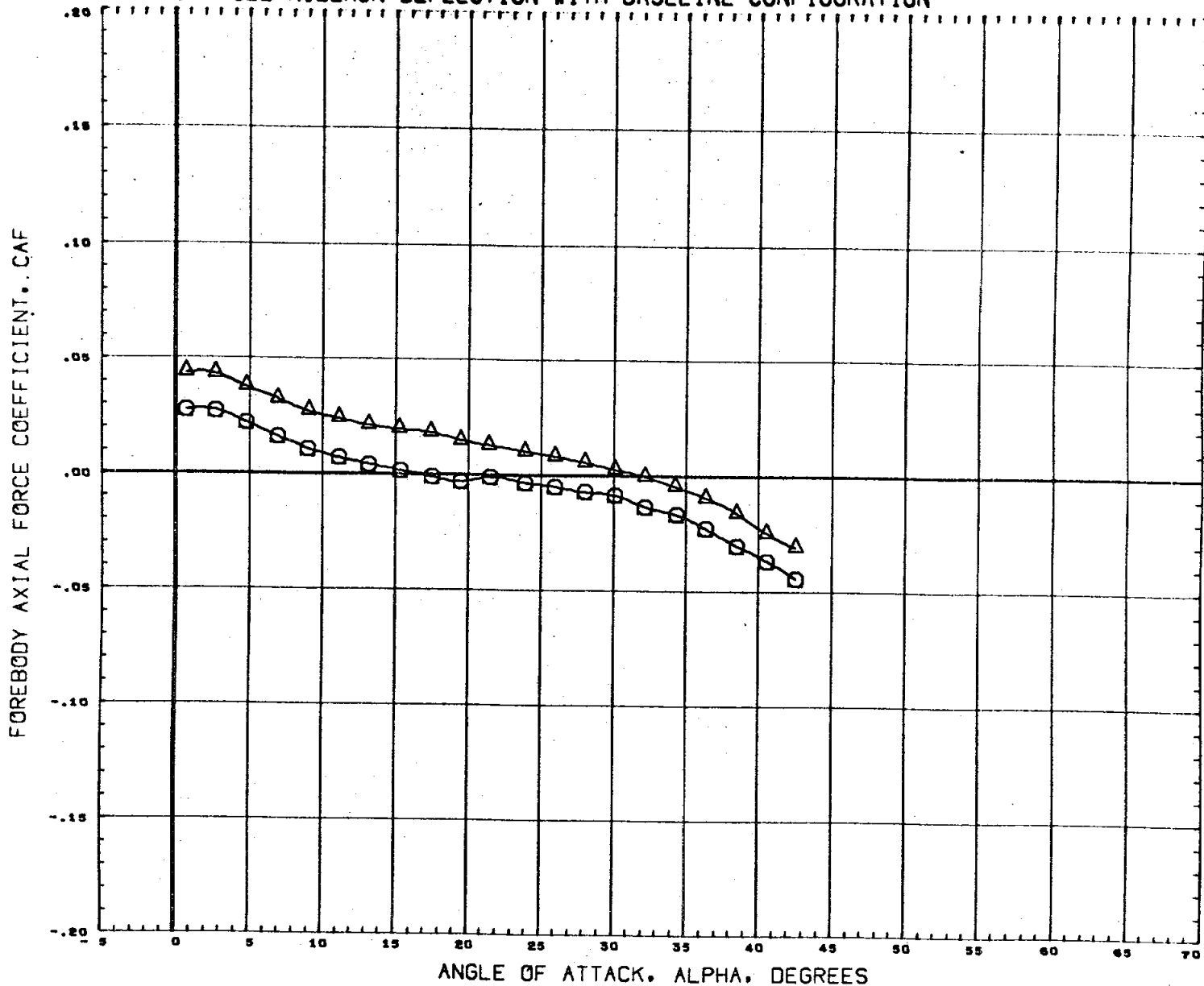
EFFECT OF FULL AILERON DEFLECTION WITH BASELINE CONFIGURATION



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C7630S)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76319)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	10.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4930 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 4.96

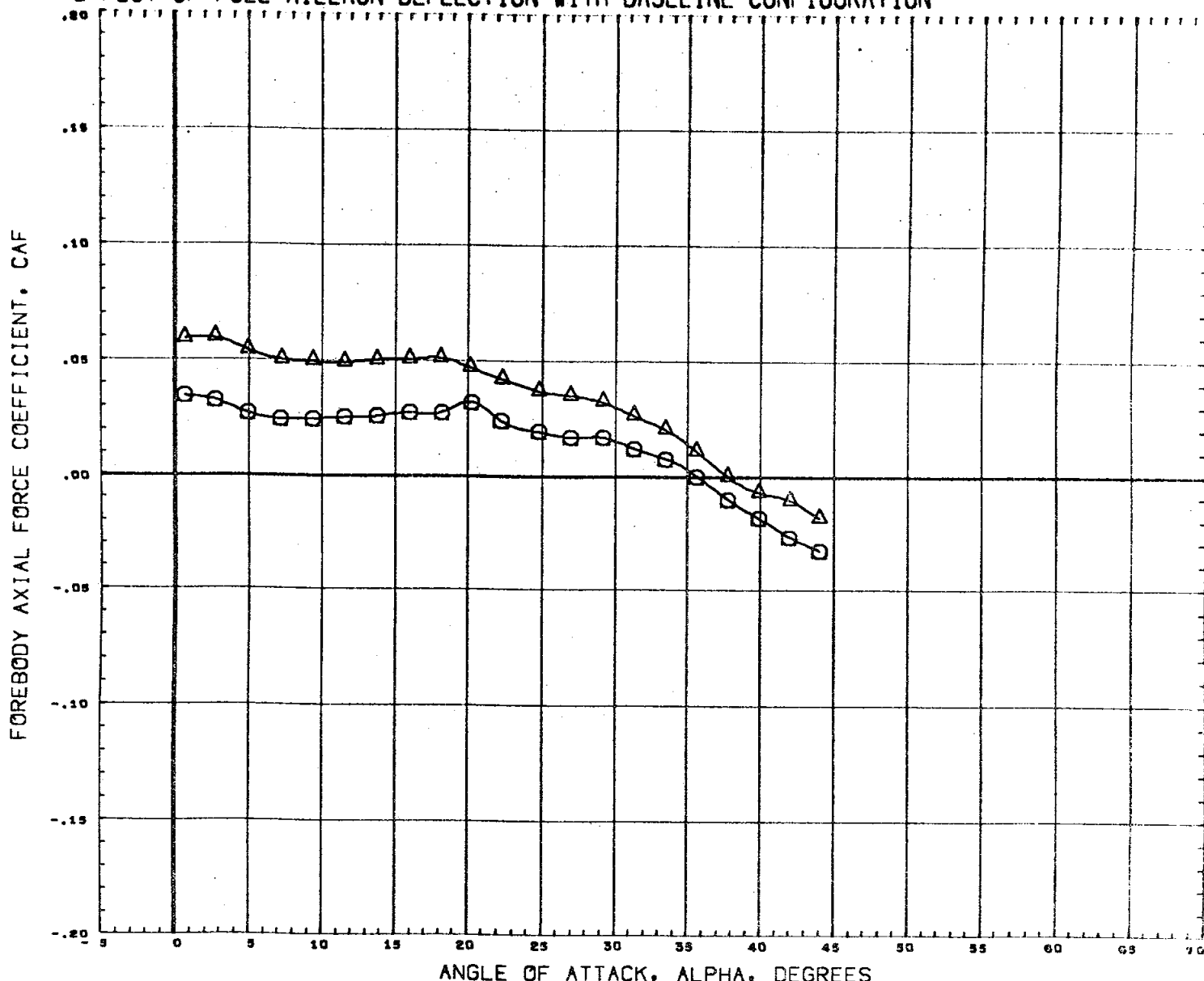
EFFECT OF FULL AILERON DEFLECTION WITH BASELINE CONFIGURATION



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C7630S)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ.IN.
(C76319)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	10.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH .59

EFFECT OF FULL AILERON DEFLECTION WITH BASELINE CONFIGURATION

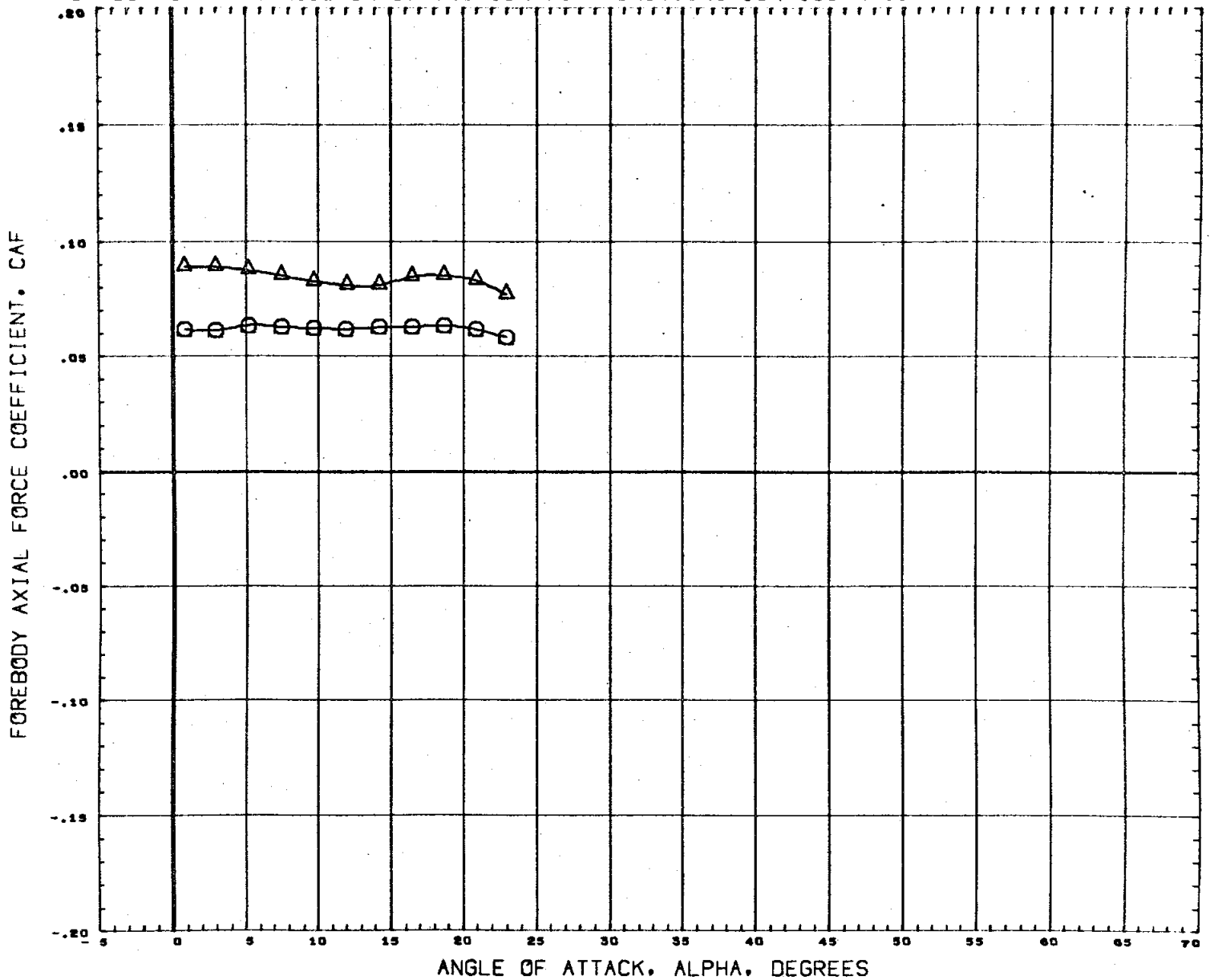


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C76308)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76319)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	10.000	LREF	2.1026 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040 IN.

MACH .90

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EFFECT OF FULL AILERON DEFLECTION WITH BASELINE CONFIGURATION

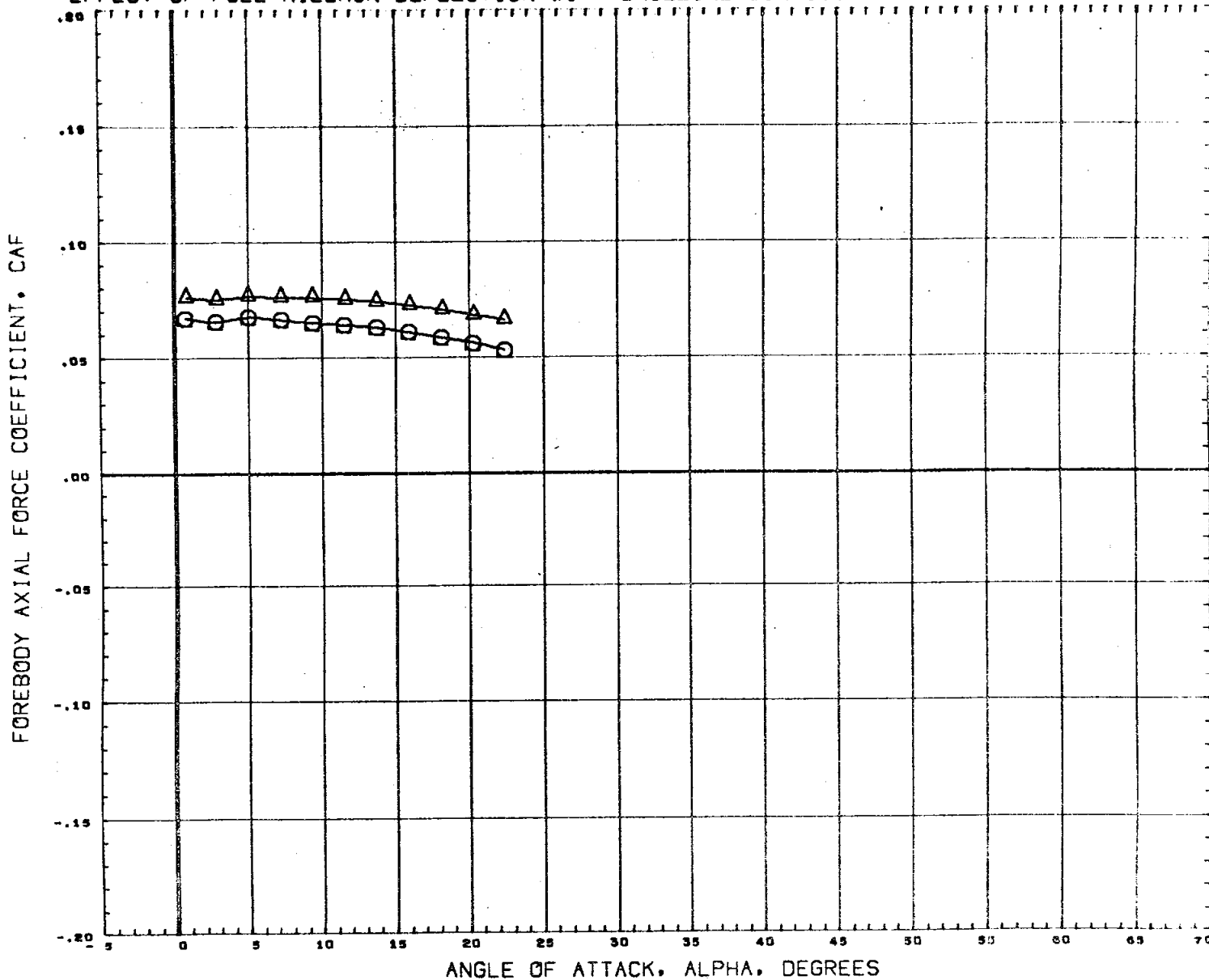


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION
(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF 7.4190 SQ. IN.
(C76319)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	10.000	LREF 2.1020 IN.
						BREF 4.0300 IN.
						XMRP 3.4530 IN.
						YMRP 0.0000 IN.
						ZMRP 0.0000 IN.
						SCALE 0.0040

MACH 1.20

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EFFECT OF FULL AILERON DEFLECTION WITH BASELINE CONFIGURATION

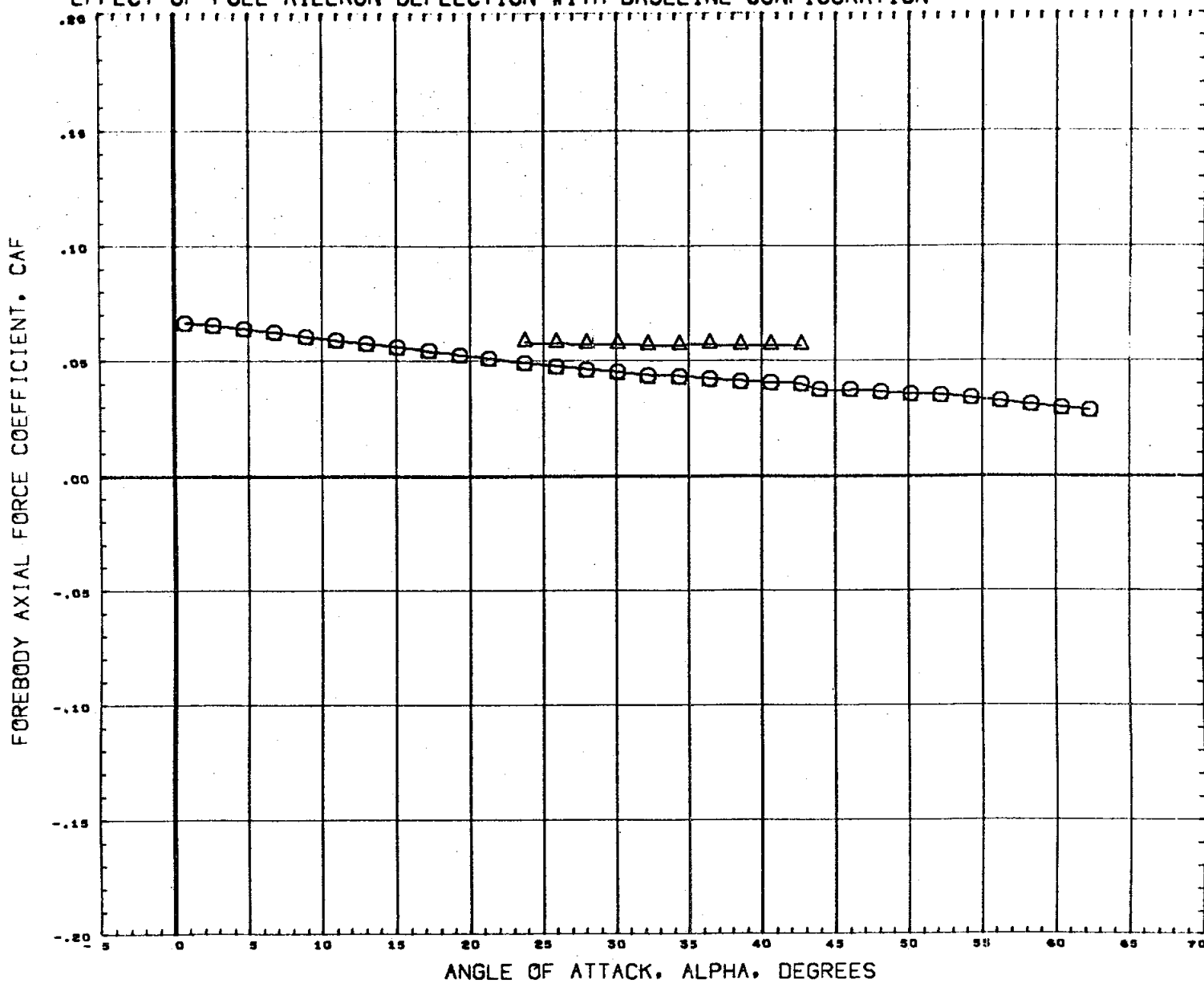


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C76303)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76319)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	10.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 1.97

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EFFECT OF FULL AILERON DEFLECTION WITH BASELINE CONFIGURATION

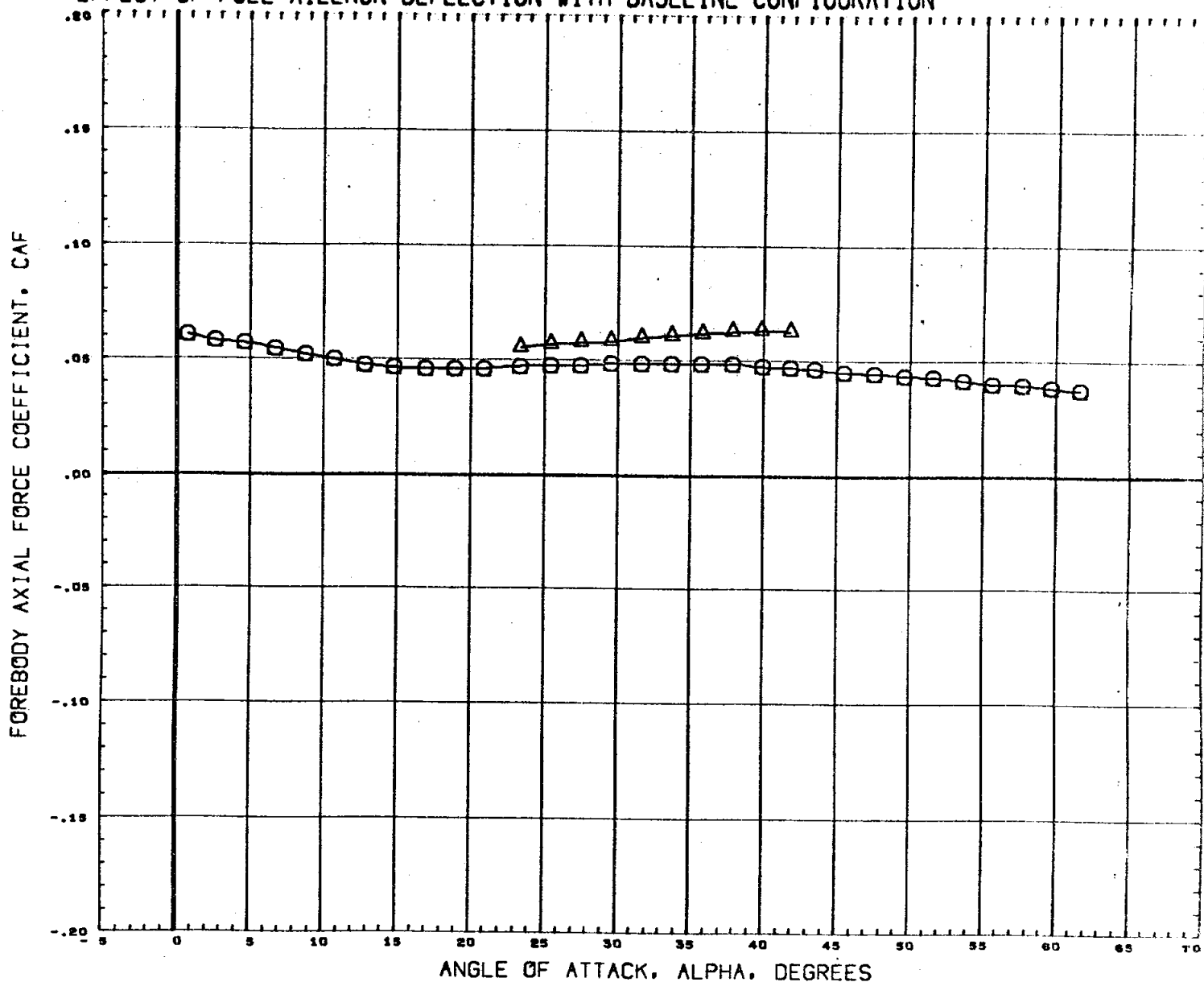


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76319)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	10.000	LREF	2.1020 IN.
						SREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 2.99

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EFFECT OF FULL AILERON DEFLECTION WITH BASELINE CONFIGURATION

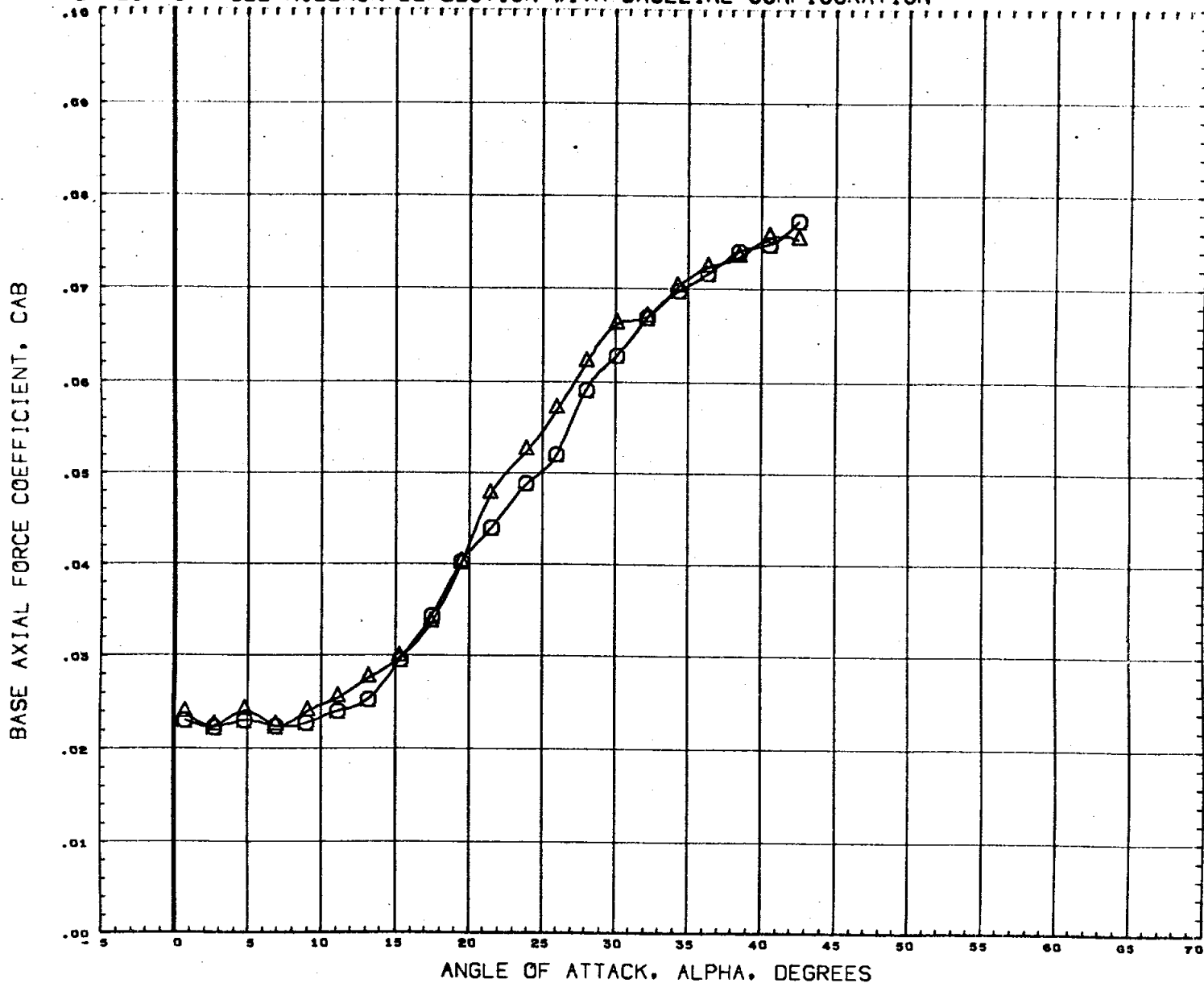


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76319)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	10.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 4.96

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EFFECT OF FULL AILERON DEFLECTION WITH BASELINE CONFIGURATION

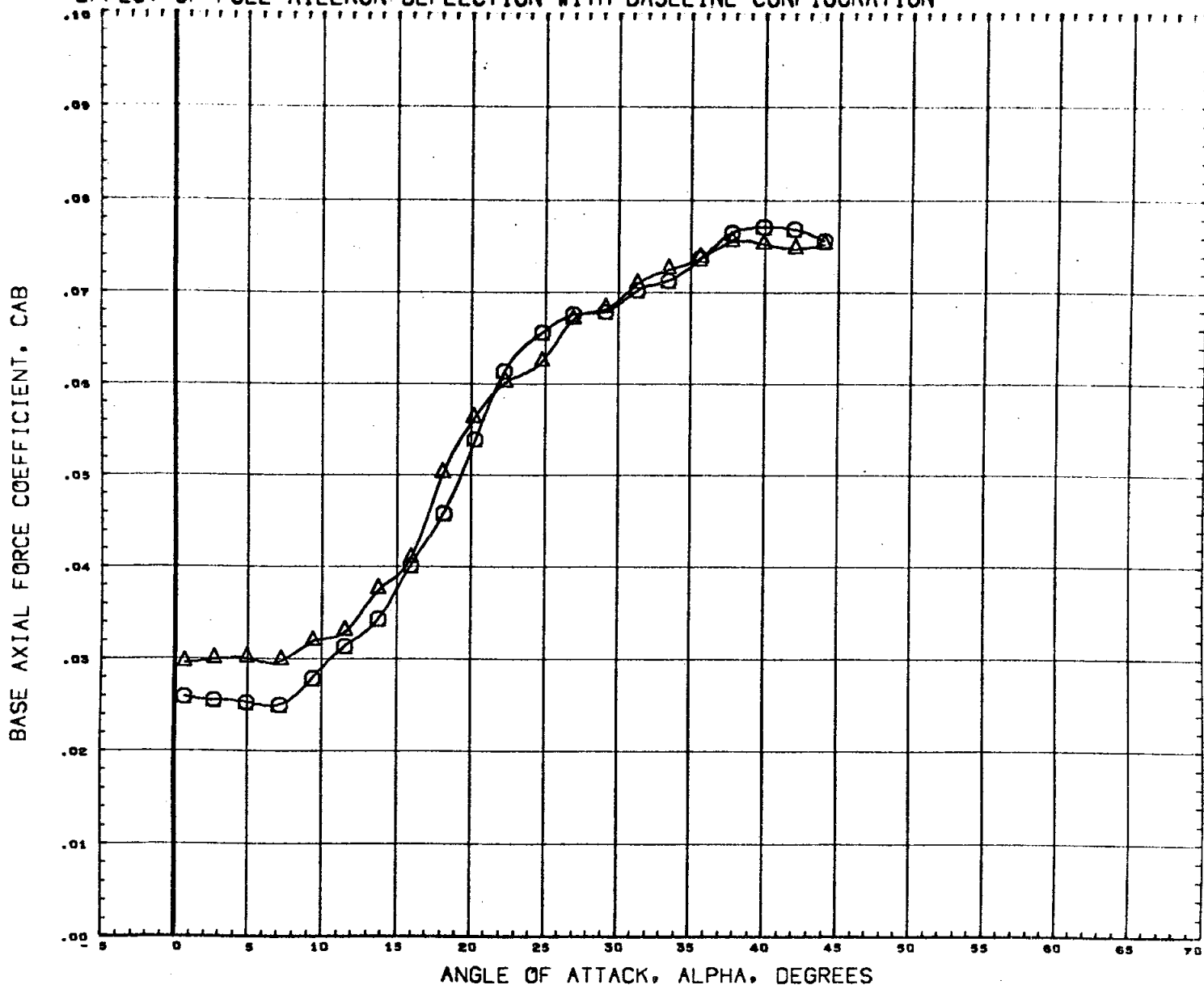


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1N1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76319)	M555 (FA3) NAR ATP ORB (B1C1D1F1N1) (W1E1) (V1K1R1)	0.000	0.000	10.000	10.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH .59

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EFFECT OF FULL AILERON DEFLECTION WITH BASELINE CONFIGURATION

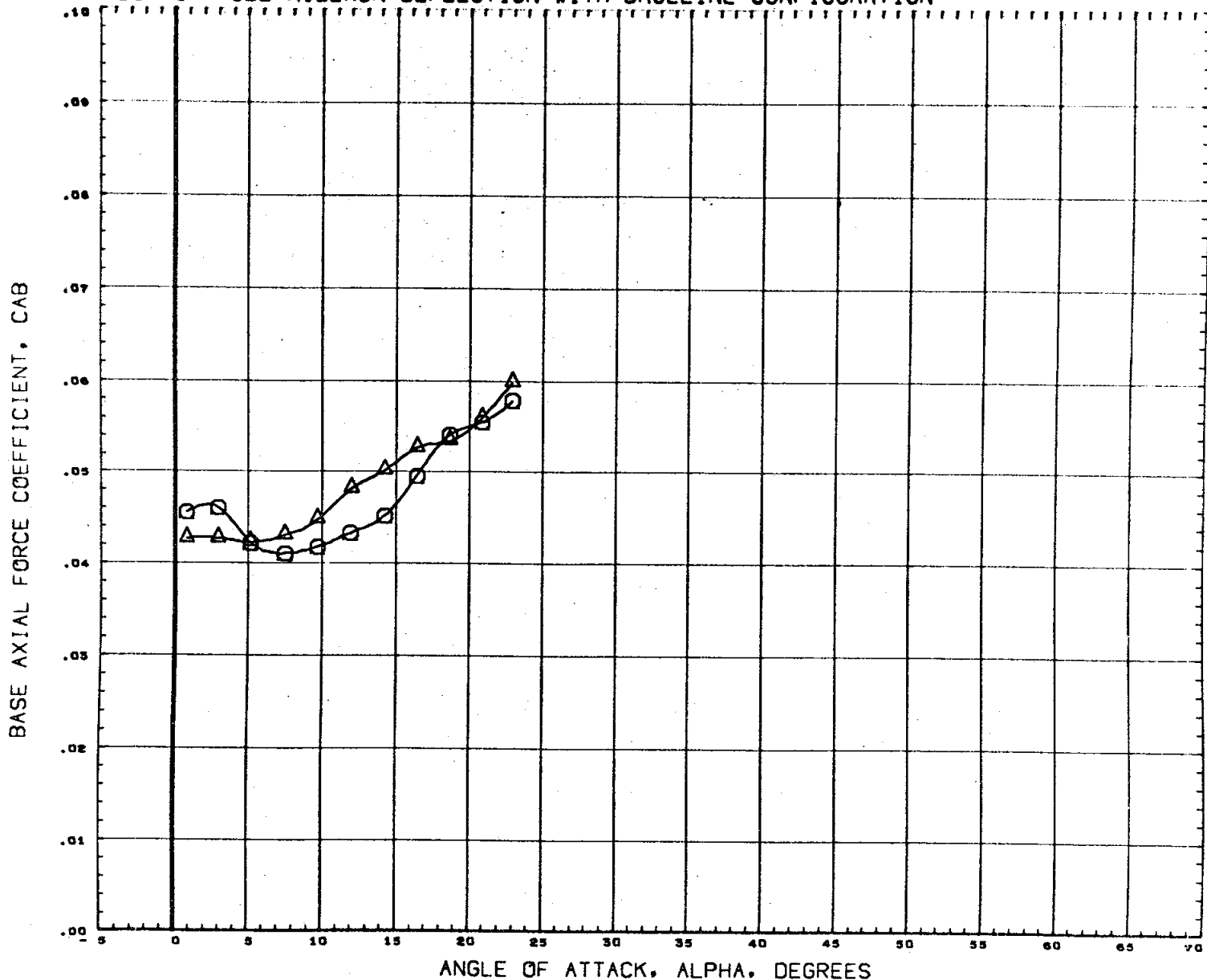


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76319)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	10.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH .90

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EFFECT OF FULL AILERON DEFLECTION WITH BASELINE CONFIGURATION



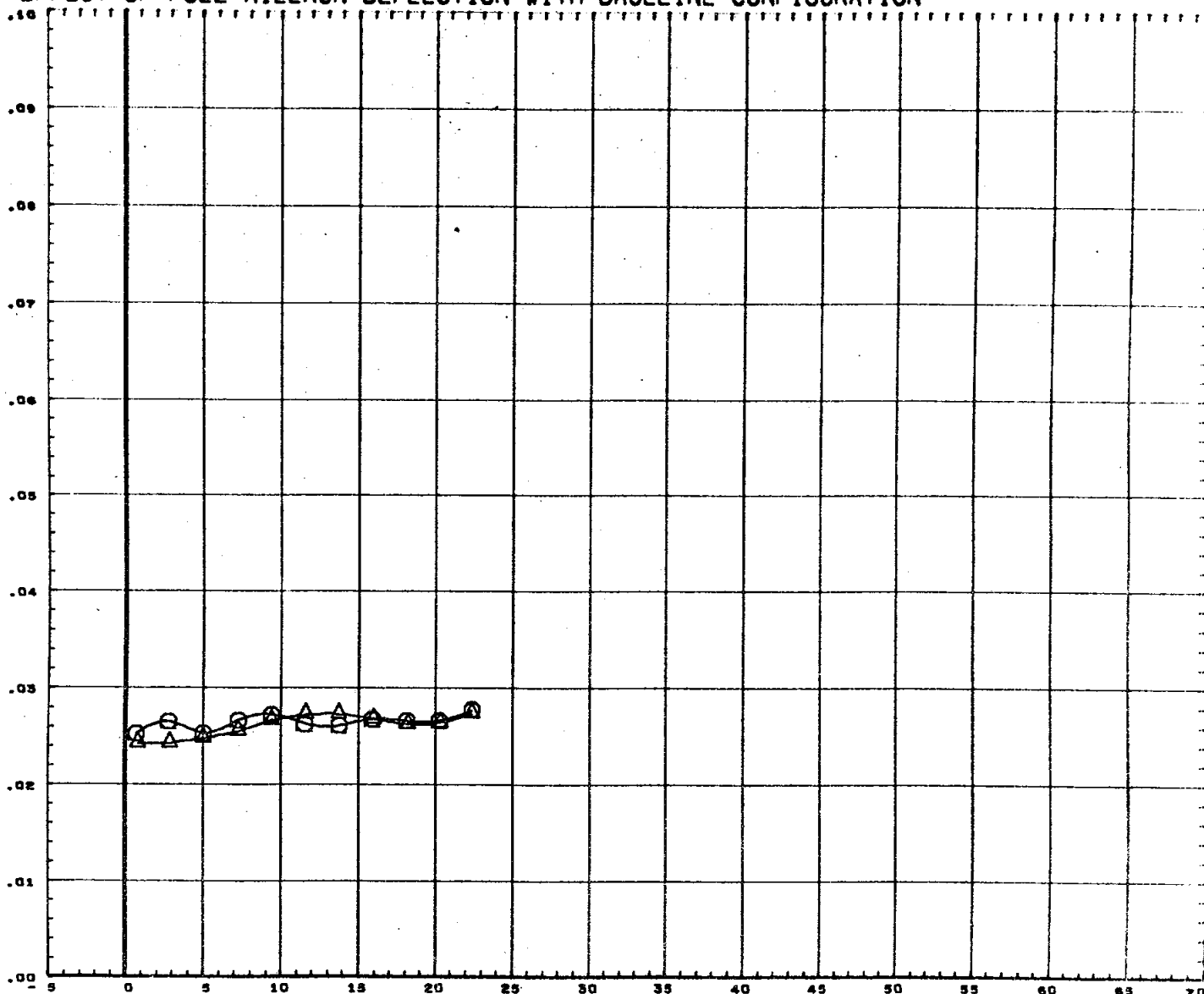
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C763DS)	M555(PA3) NAR ATP ORB (81C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76319)	M555(PA3) NAR ATP ORB (81C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	10.000	LREF	2.1020 IN.
						OREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 1.20

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EFFECT OF FULL AILERON DEFLECTION WITH BASELINE CONFIGURATION

BASE AXIAL FORCE COEFFICIENT, C_{AB}



ANGLE OF ATTACK, ALPHA, DEGREES

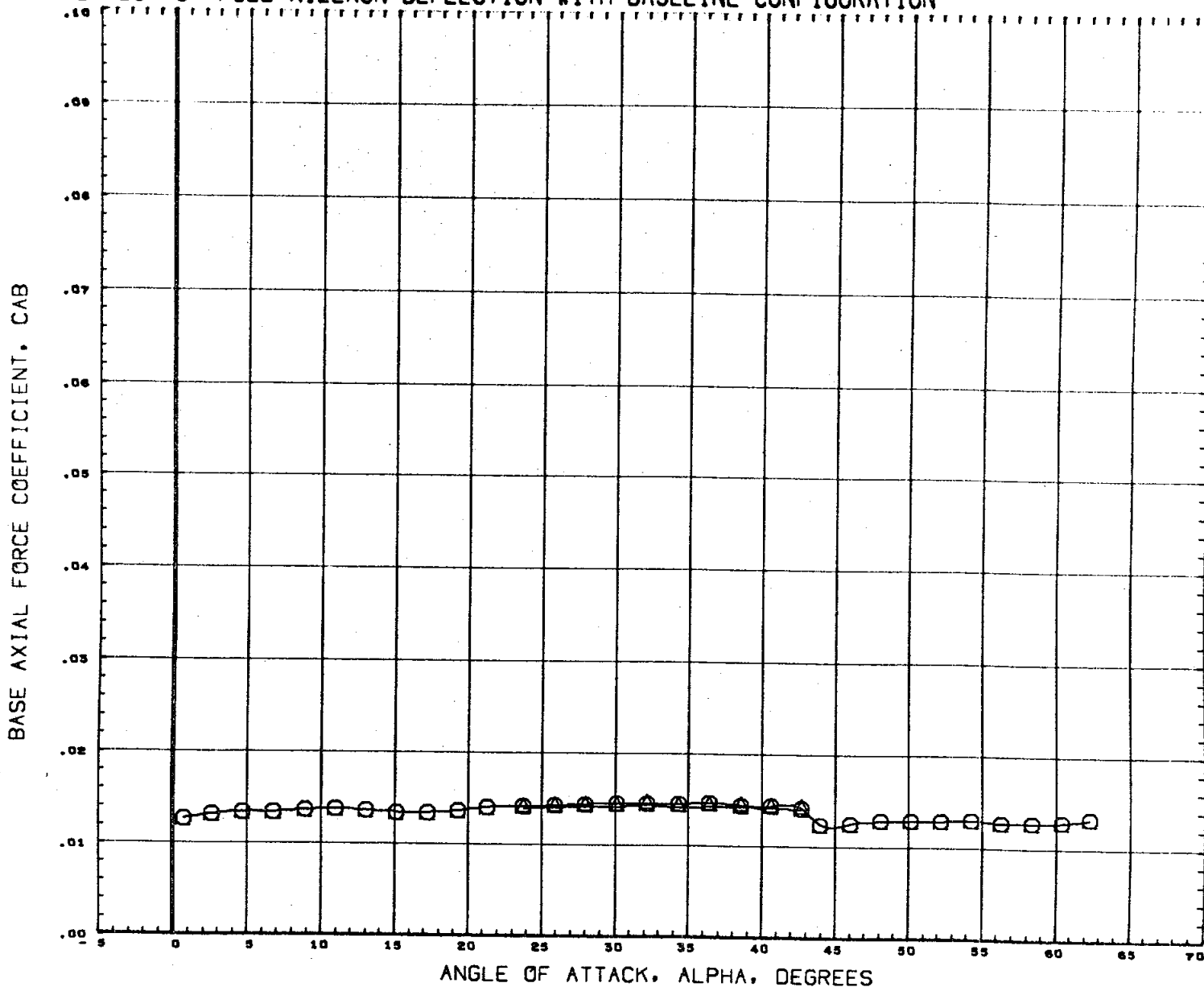
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76319)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	10.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH

1.97

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EFFECT OF FULL AILERON DEFLECTION WITH BASELINE CONFIGURATION

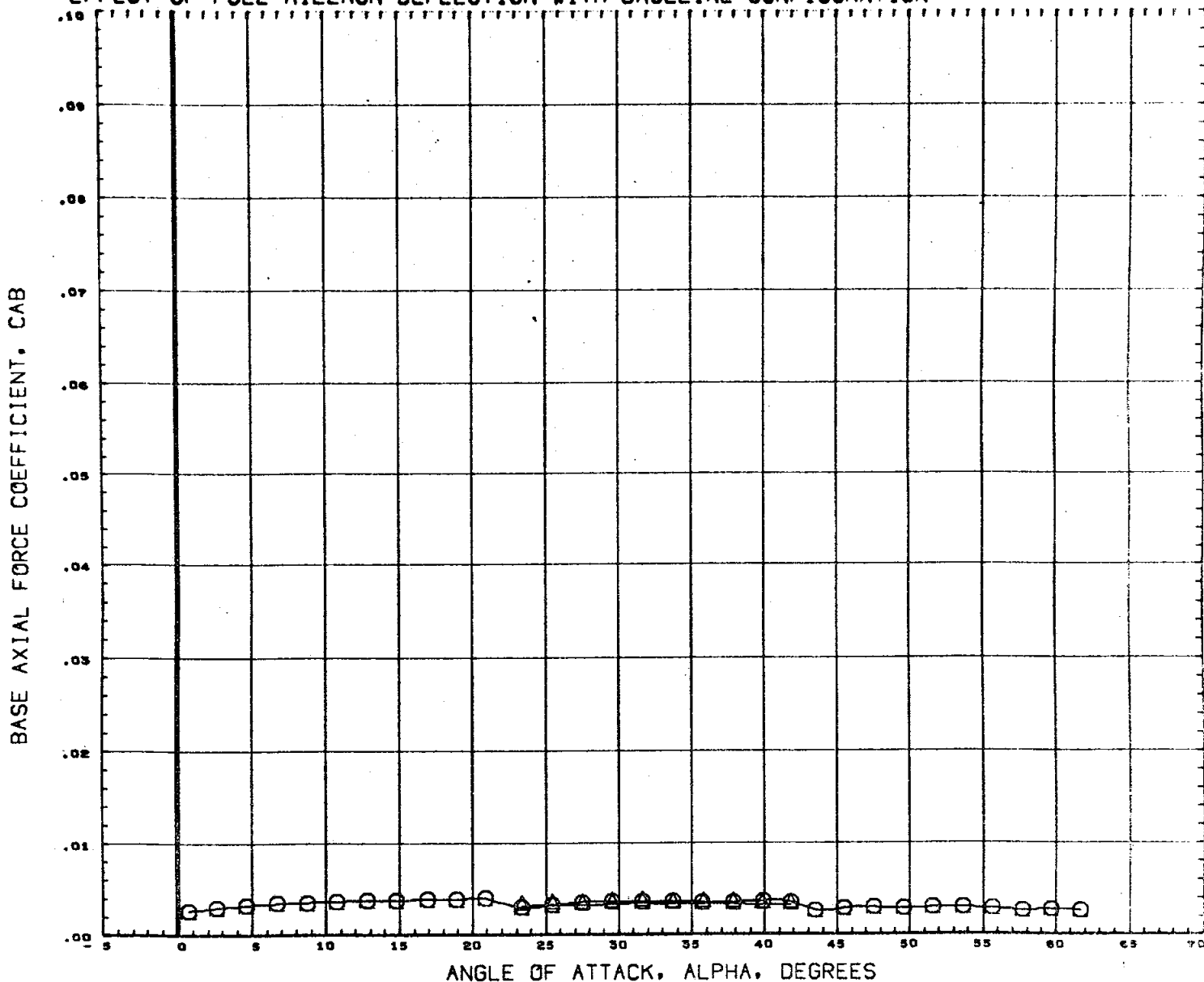


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76S19)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	10.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRRP	3.4550 IN.
						YMRRP	0.0000 IN.
						ZMRRP	0.0000 IN.
						SCALE	0.0040

MACH 2.99

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EFFECT OF FULL AILERON DEFLECTION WITH BASELINE CONFIGURATION

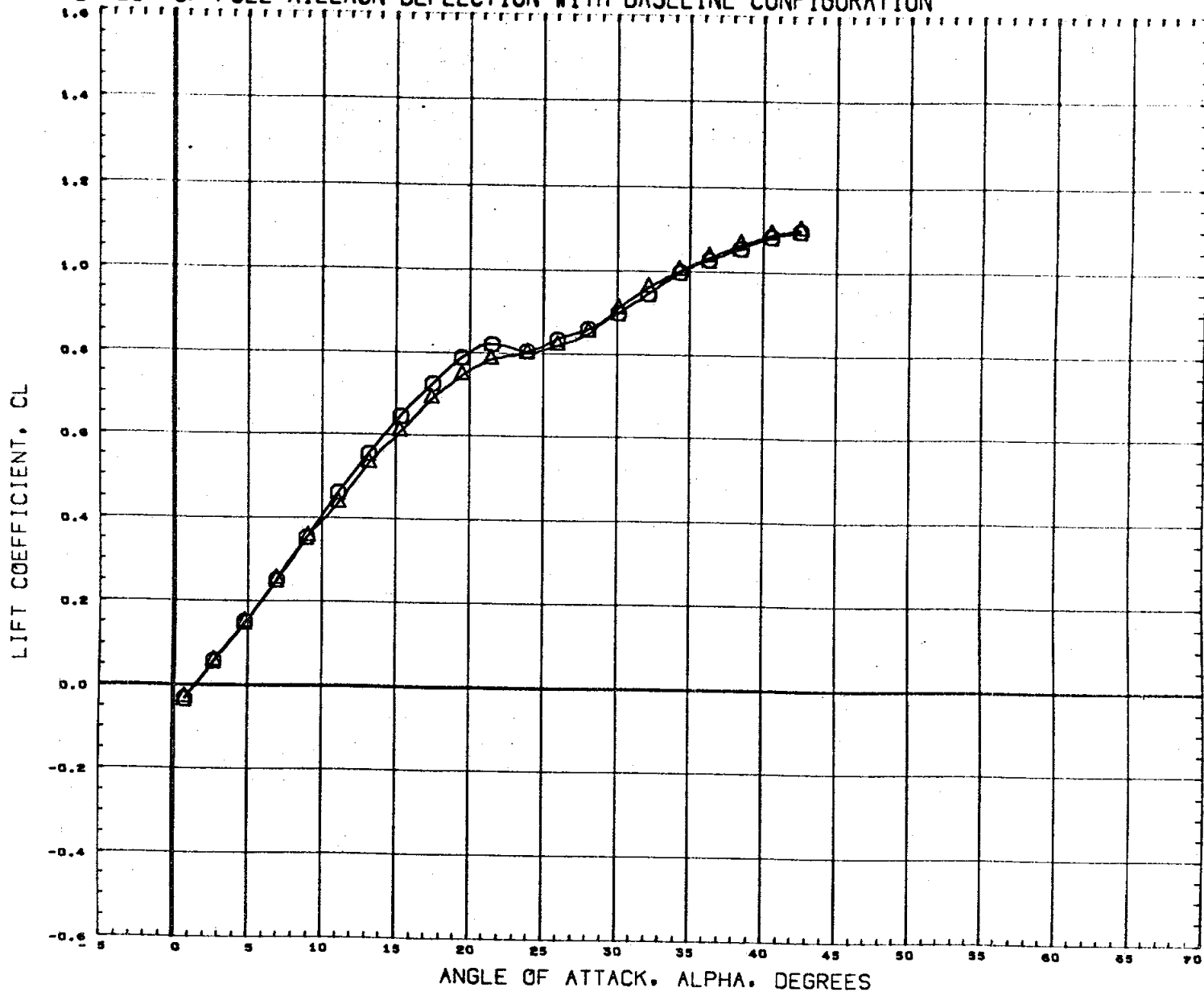


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C76303)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76319)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	10.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						WMRP	3.4330 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 4.96

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EFFECT OF FULL AILERON DEFLECTION WITH BASELINE CONFIGURATION

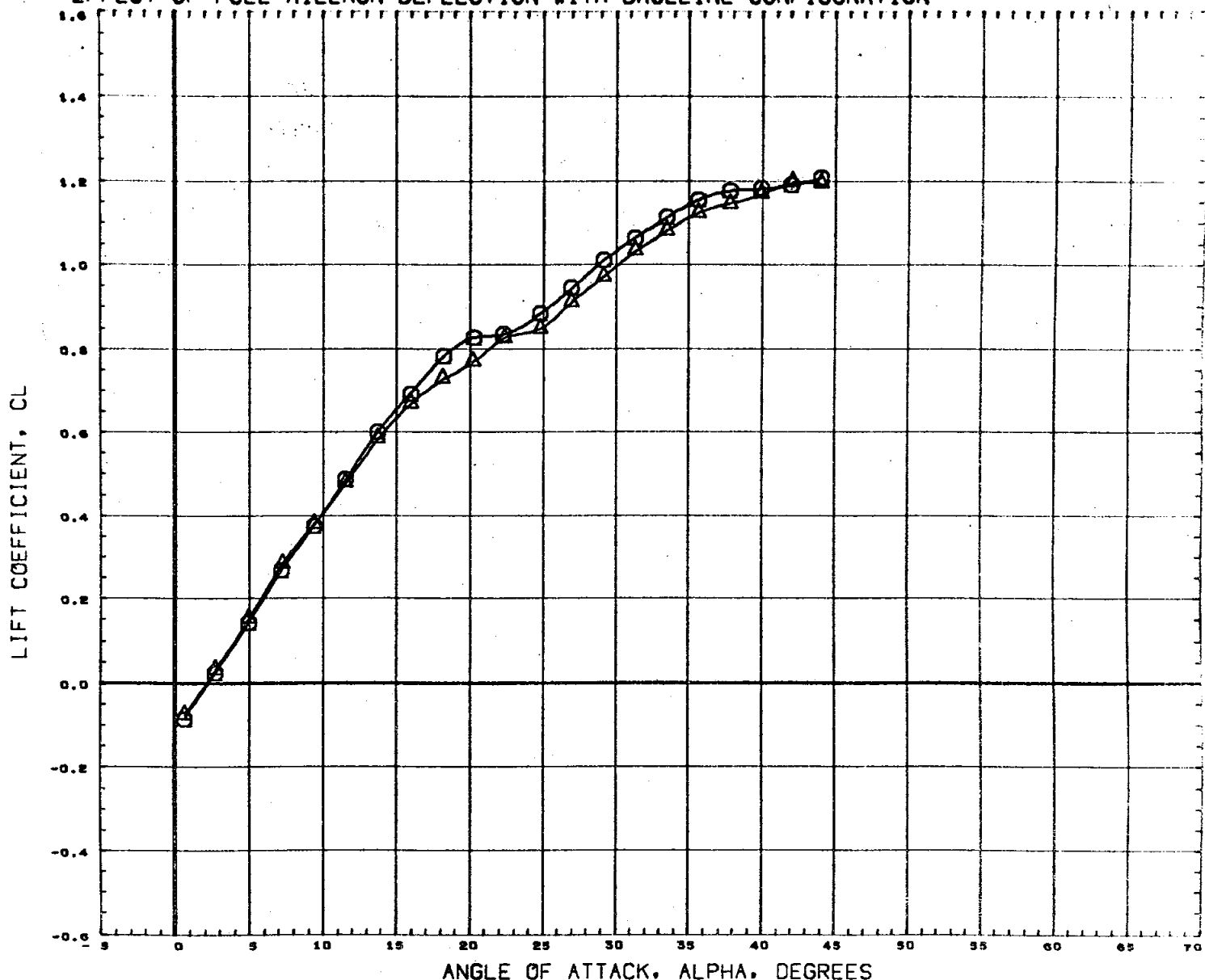


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C76308)	M555(FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76S19)	M555(FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	10.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH .59

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EFFECT OF FULL AILERON DEFLECTION WITH BASELINE CONFIGURATION

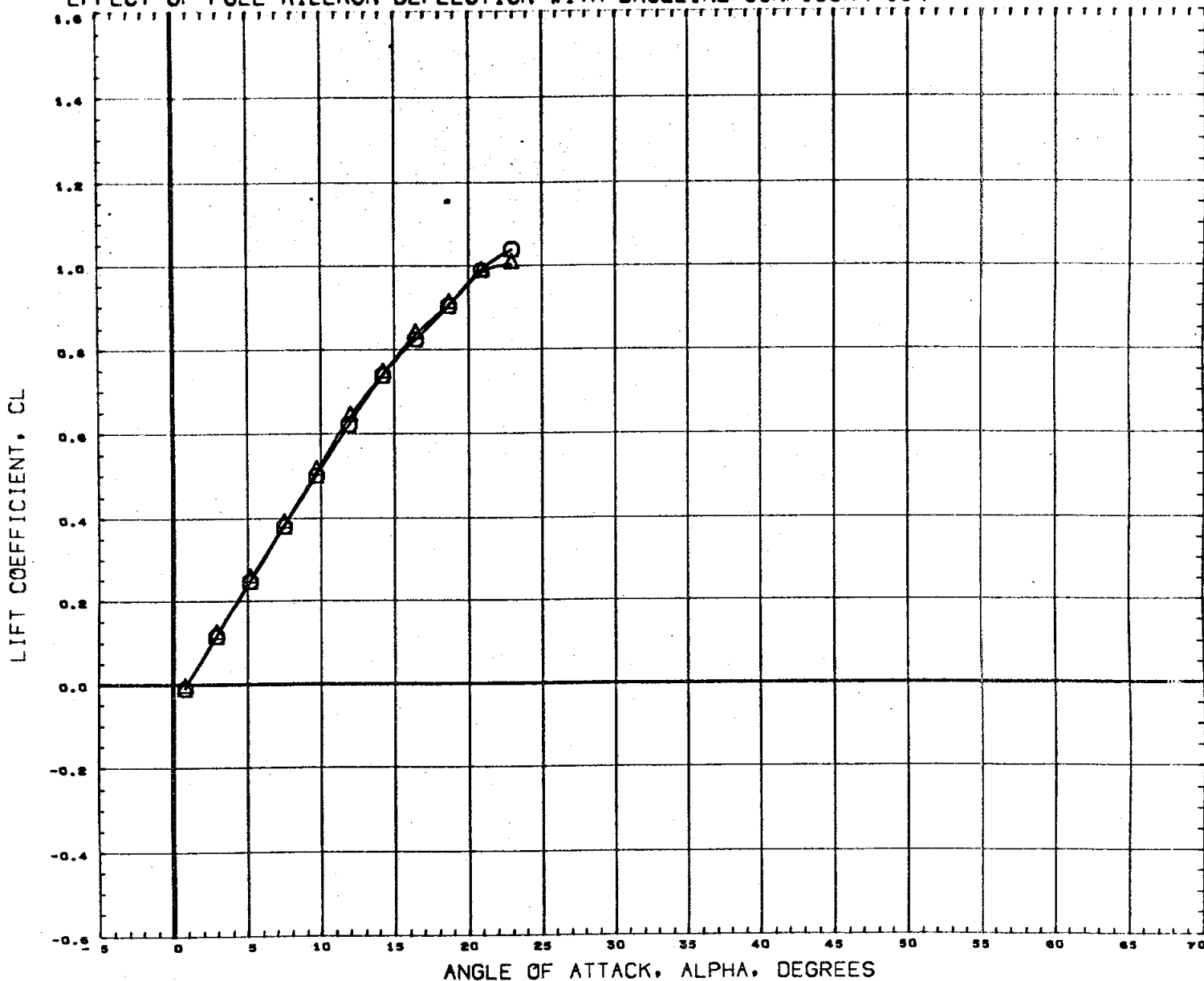


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C76303)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76519)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	10.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH .90

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EFFECT OF FULL AILERON DEFLECTION WITH BASELINE CONFIGURATION

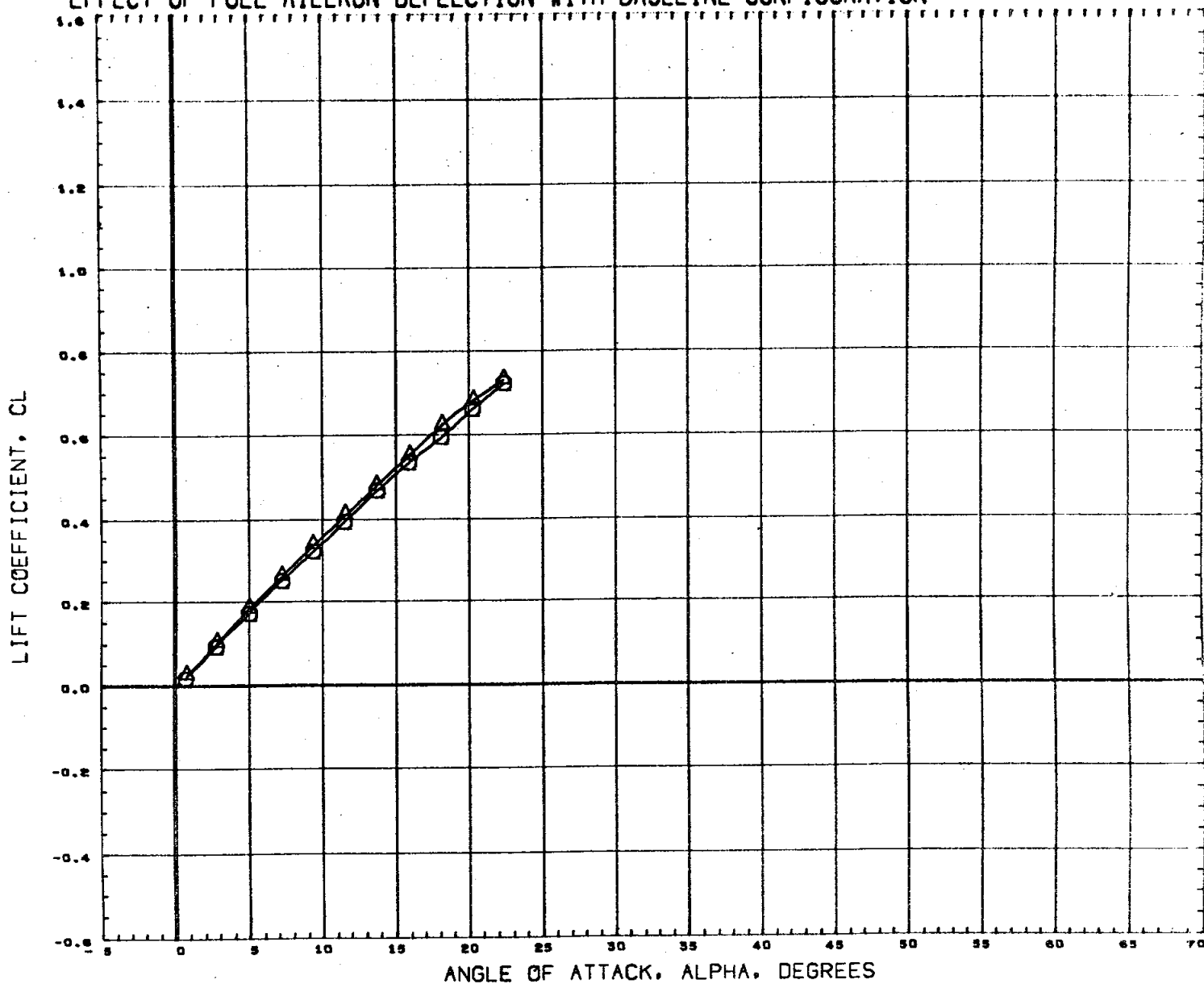


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C76305)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76519)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	10.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4330 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 1.20

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EFFECT OF FULL AILERON DEFLECTION WITH BASELINE CONFIGURATION

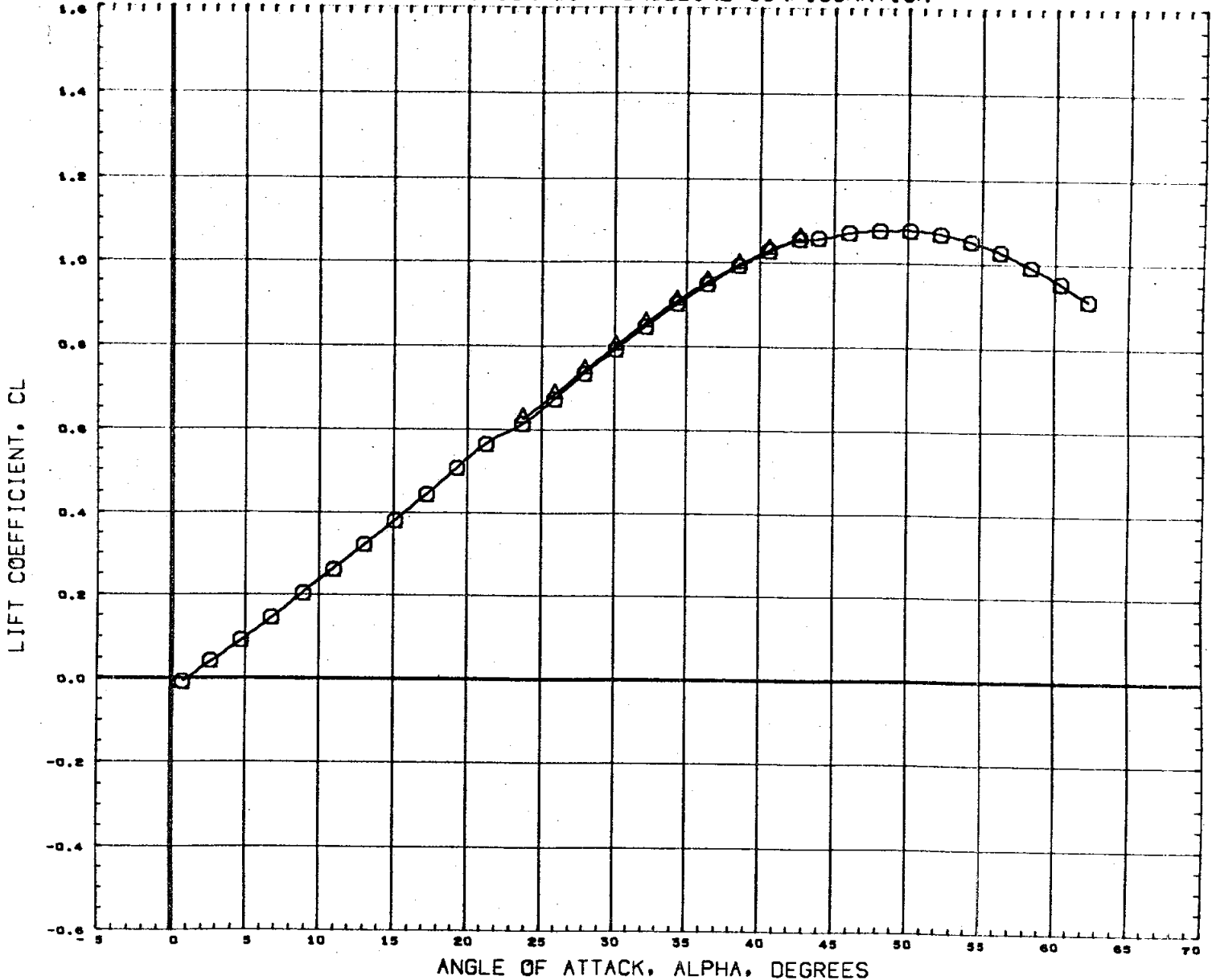


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C7630S)	M555 (FAS) NAR ATP ORB (B1C1D1F1H1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76819)	M555 (FAS) NAR ATP ORB (B1C1D1F1H1) (W1E1) (V1K1R1)	0.000	0.000	10.000	10.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 1.97

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EFFECT OF FULL AILERON DEFLECTION WITH BASELINE CONFIGURATION

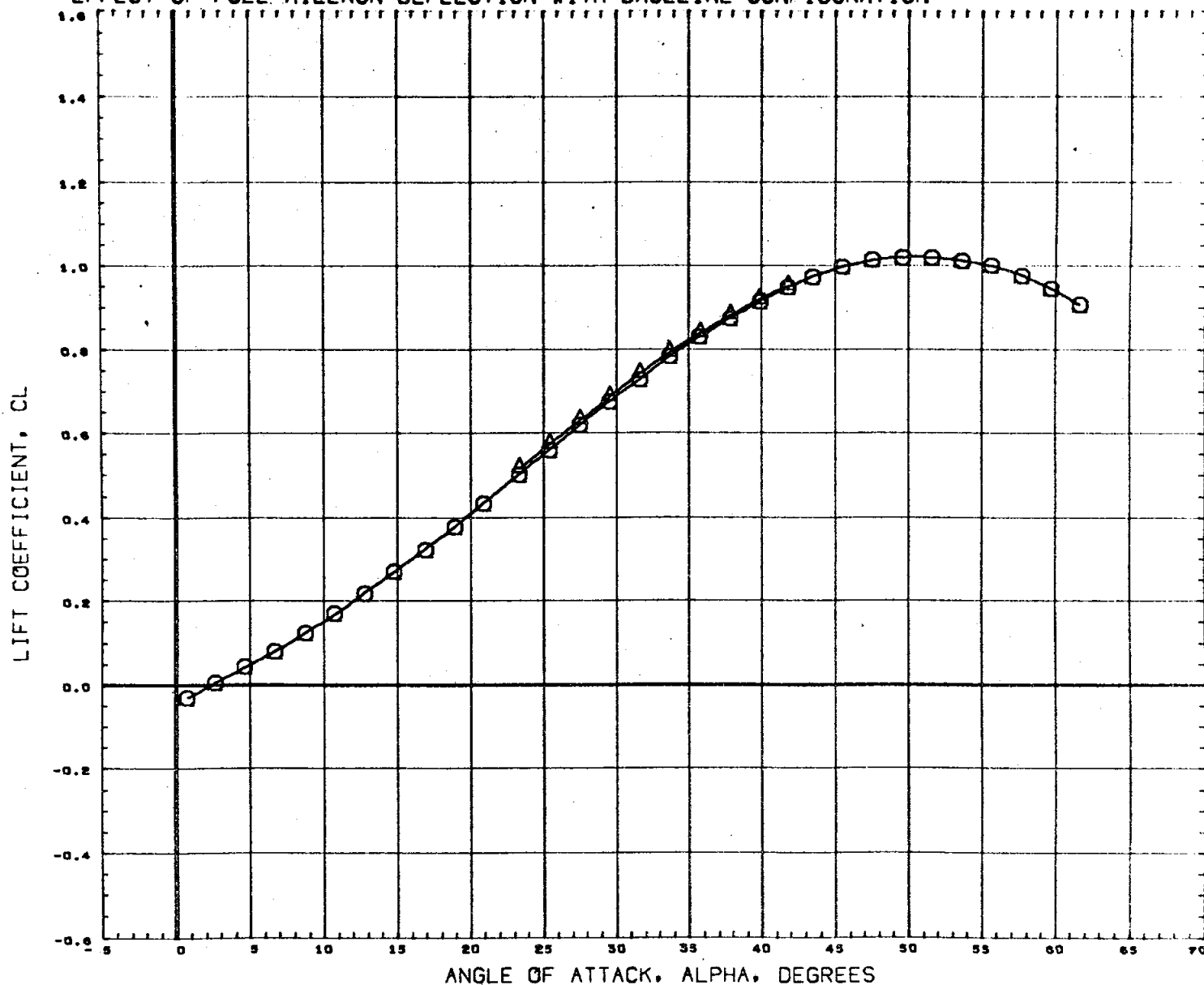


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76S19)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	10.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRF	3.4530 IN.
						YMRF	0.0000 IN.
						ZMRF	0.0000 IN.
						SCALE	0.0040

MACH 2.99

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EFFECT OF FULL AILERON DEFLECTION WITH BASELINE CONFIGURATION

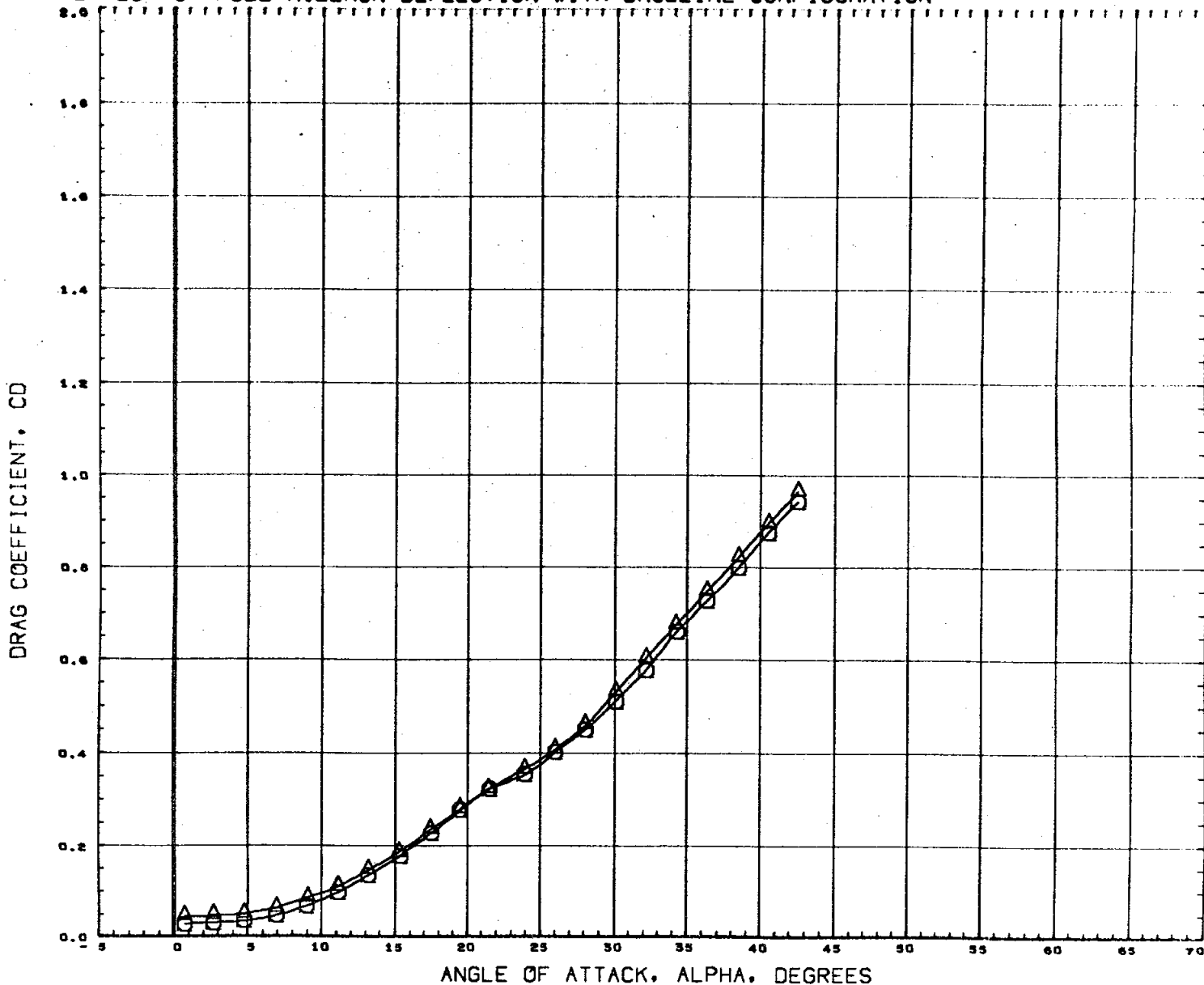


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C76309)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76319)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	10.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 4.96

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EFFECT OF FULL AILERON DEFLECTION WITH BASELINE CONFIGURATION

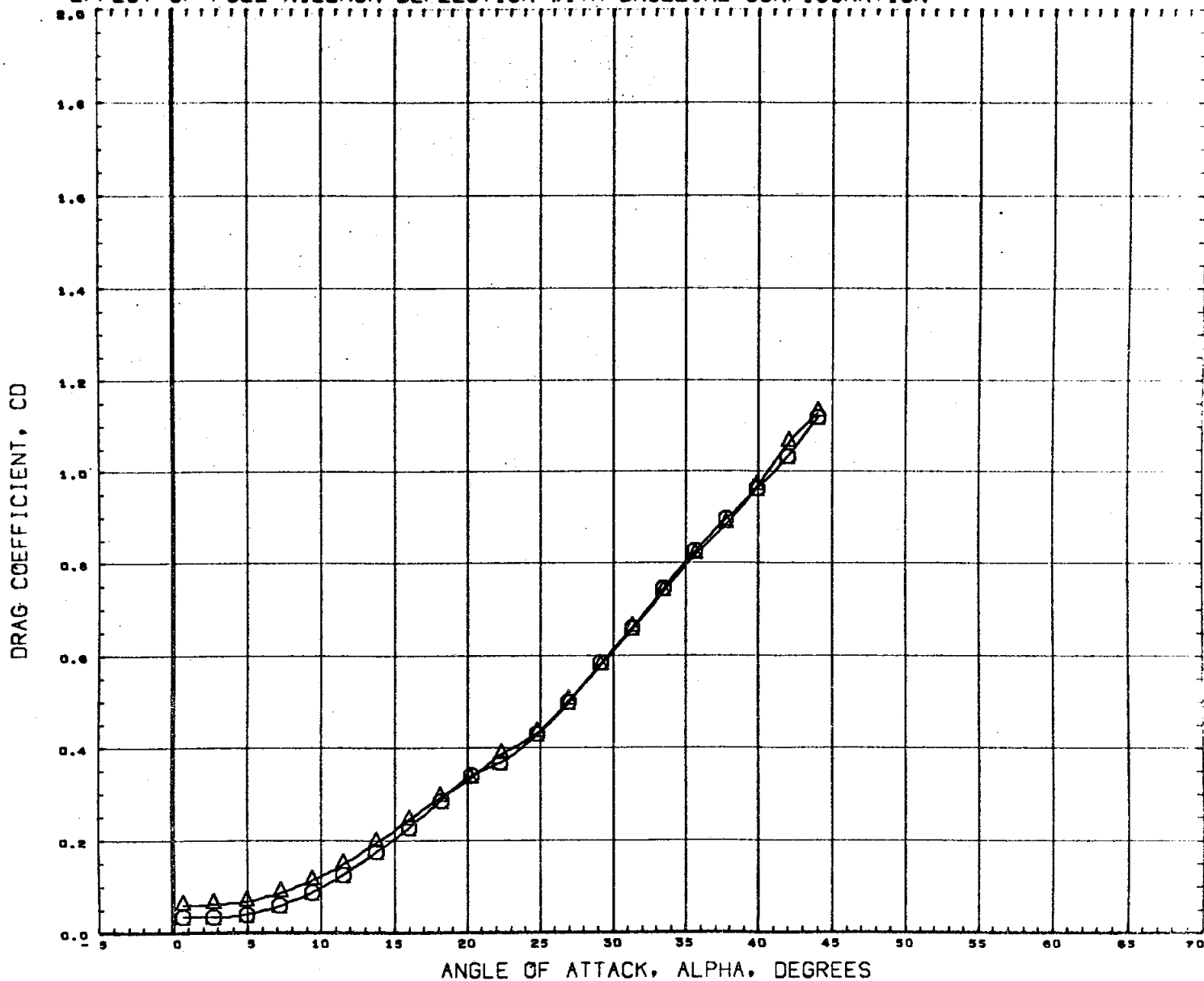


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C7631S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	10.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH .59

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EFFECT OF FULL AILERON DEFLECTION WITH BASELINE CONFIGURATION

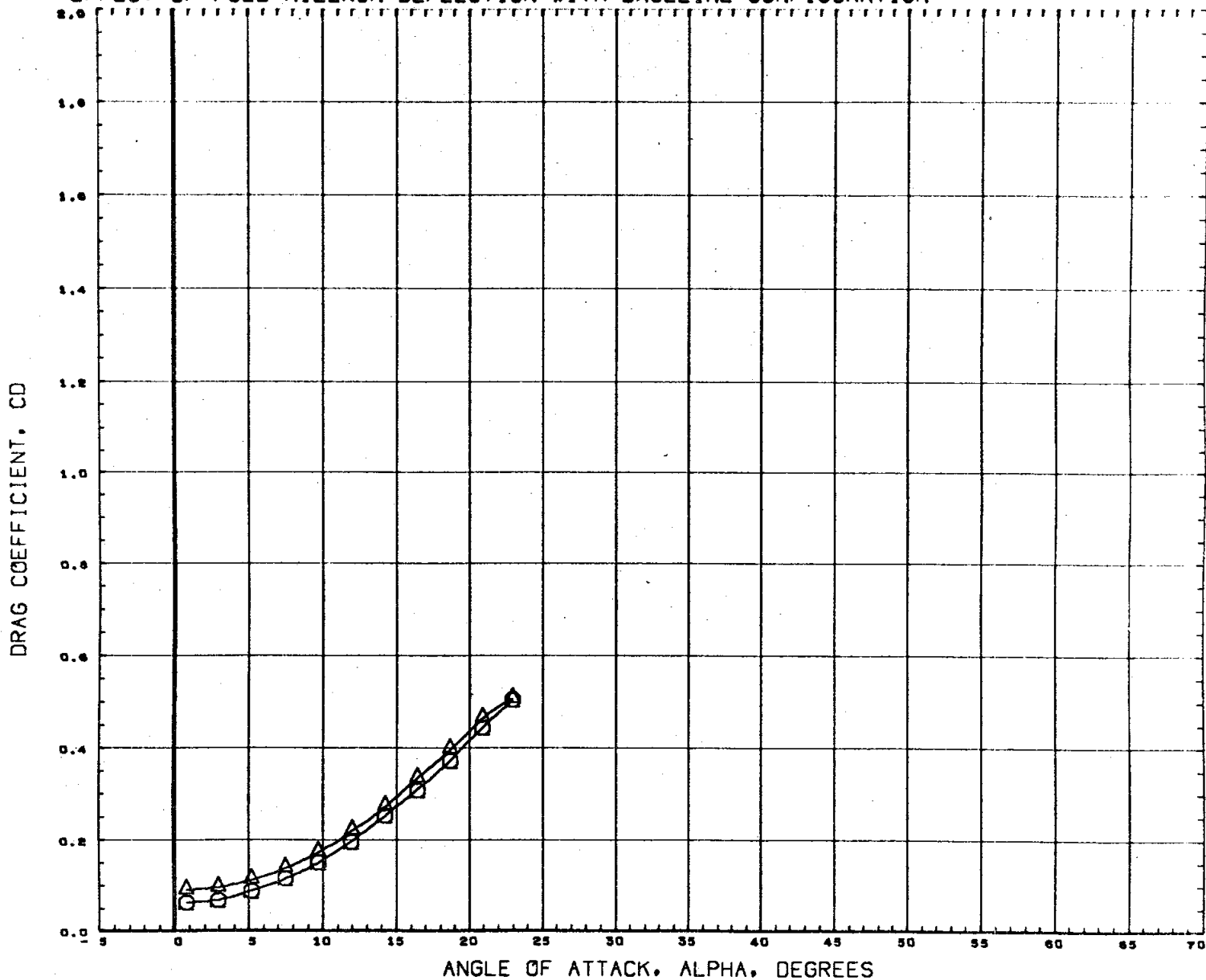


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C76308)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 33 IN.
(C76319)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	10.000	LREF	2.1020 IN.
						SREF	4.0300 IN.
						XMRF	3.4530 IN.
						YMRF	0.0000 IN.
						ZMRF	0.0000 IN.
						SCALE	0.0040

MACH .90

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EFFECT OF FULL AILERON DEFLECTION WITH BASELINE CONFIGURATION

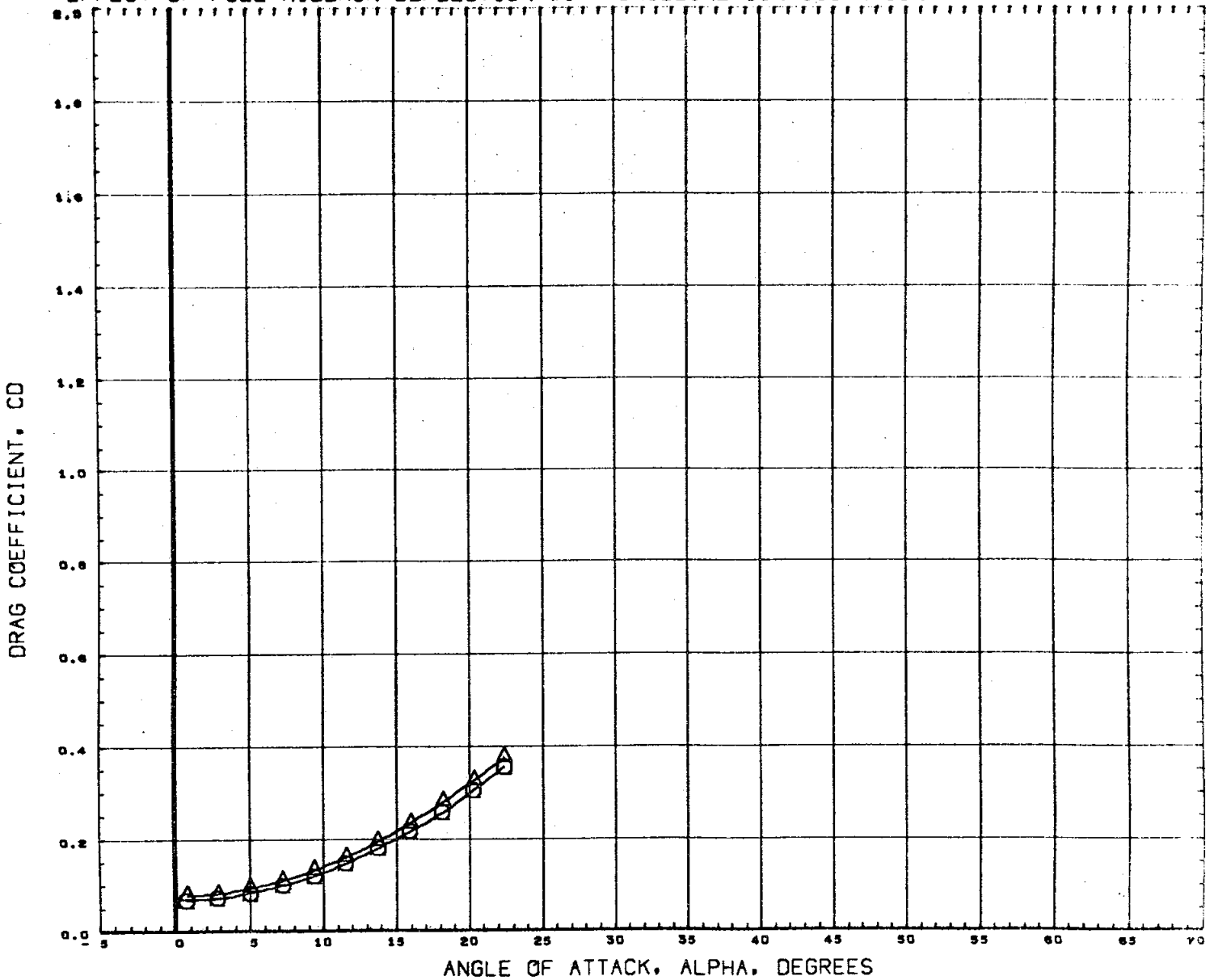


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76319)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	10.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 1.20

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EFFECT OF FULL AILERON DEFLECTION WITH BASELINE CONFIGURATION

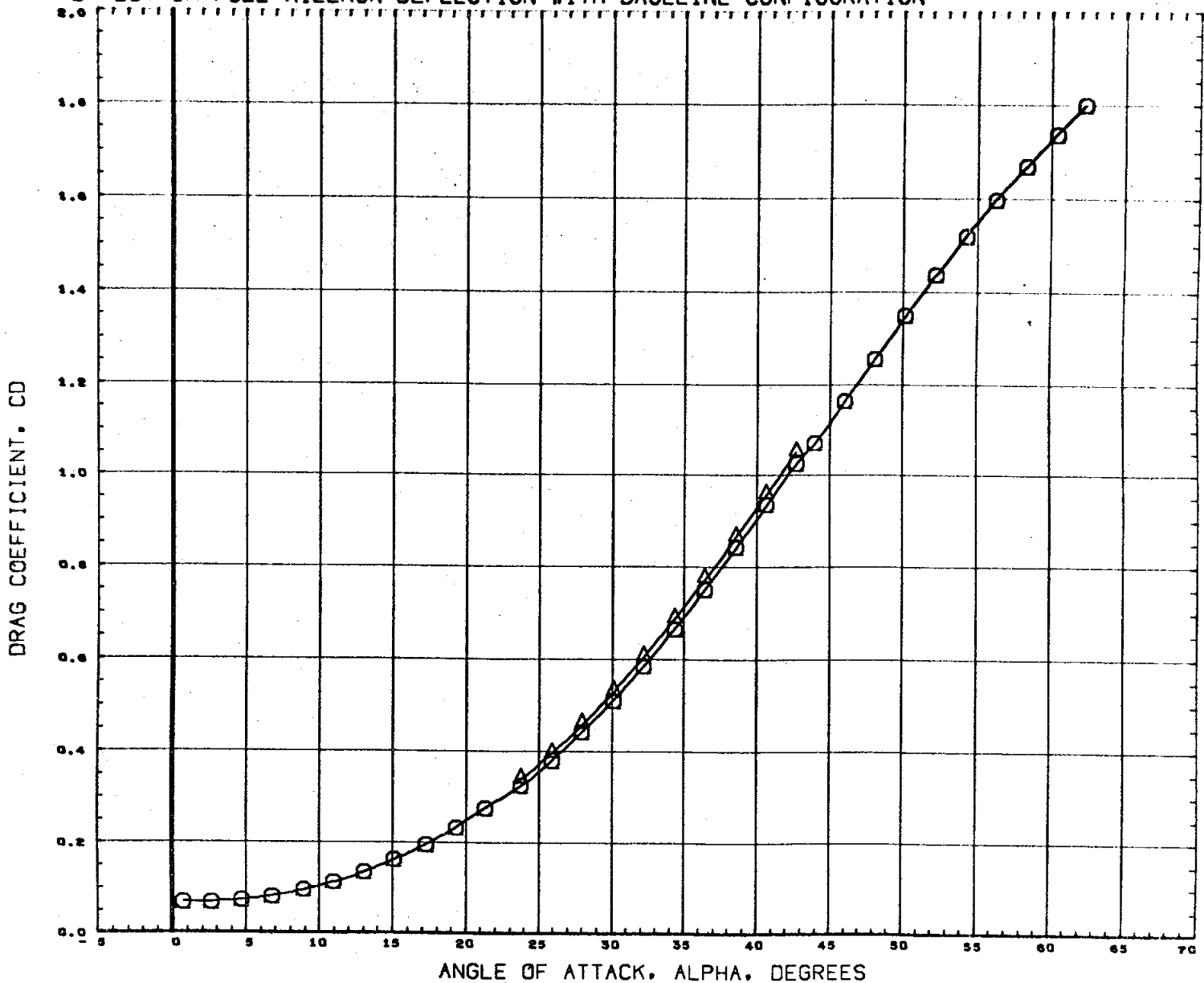


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C76308)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76519)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	10.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 1.97

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EFFECT OF FULL AILERON DEFLECTION WITH BASELINE CONFIGURATION

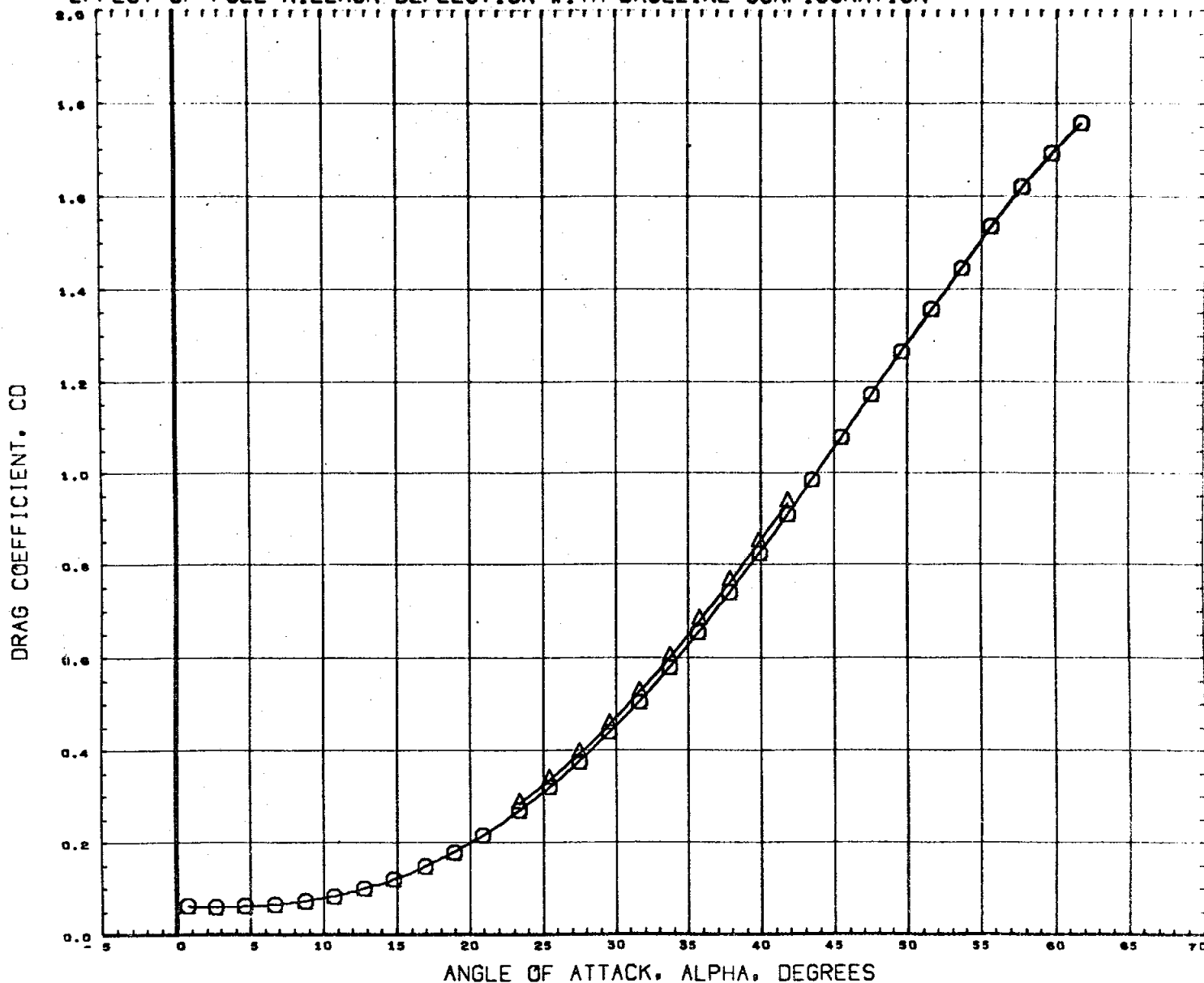


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76319)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	10.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4550 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 2.99

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EFFECT OF FULL AILERON DEFLECTION WITH BASELINE CONFIGURATION

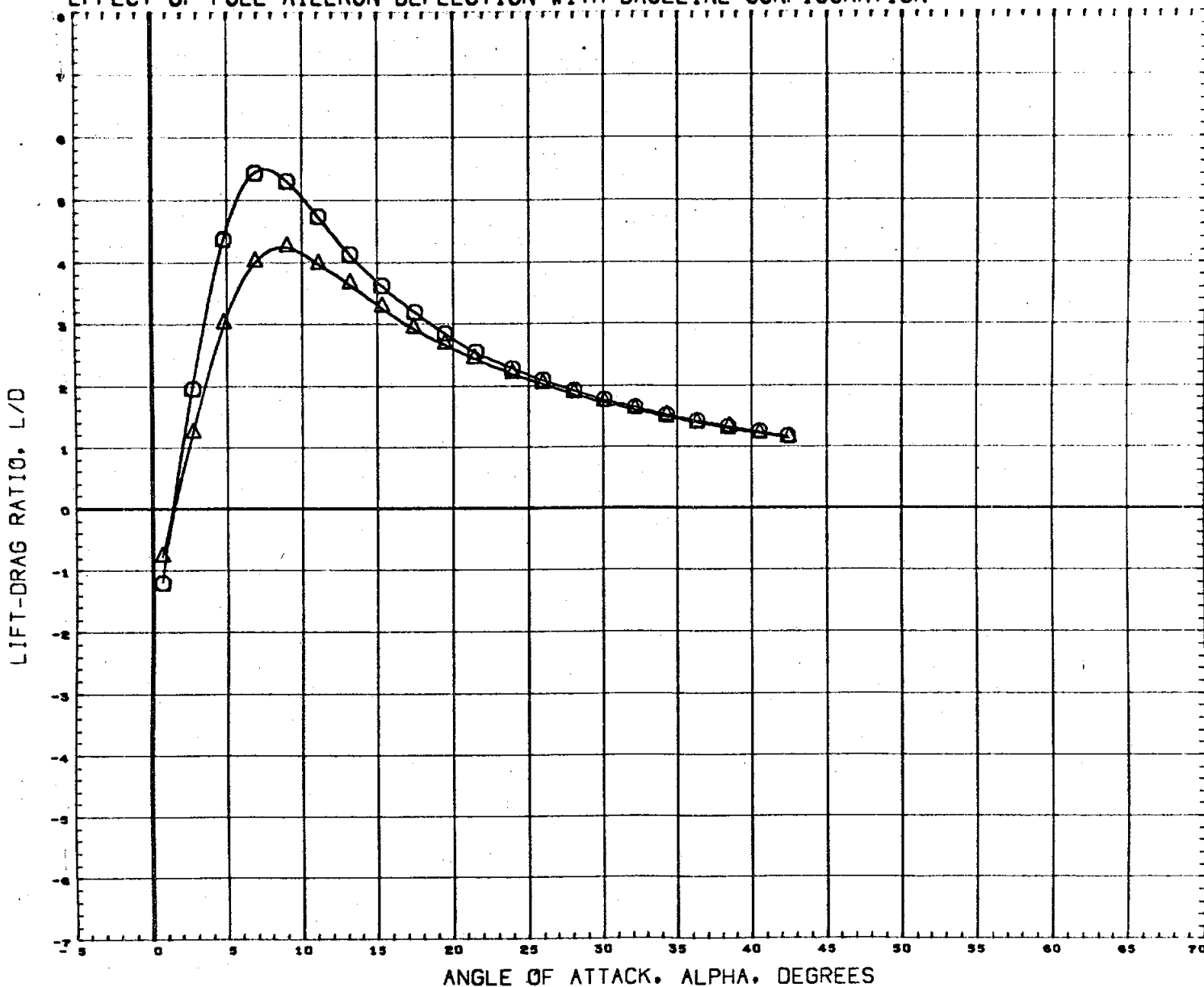


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76319)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	10.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 4.96

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EFFECT OF FULL AILERON DEFLECTION WITH BASELINE CONFIGURATION

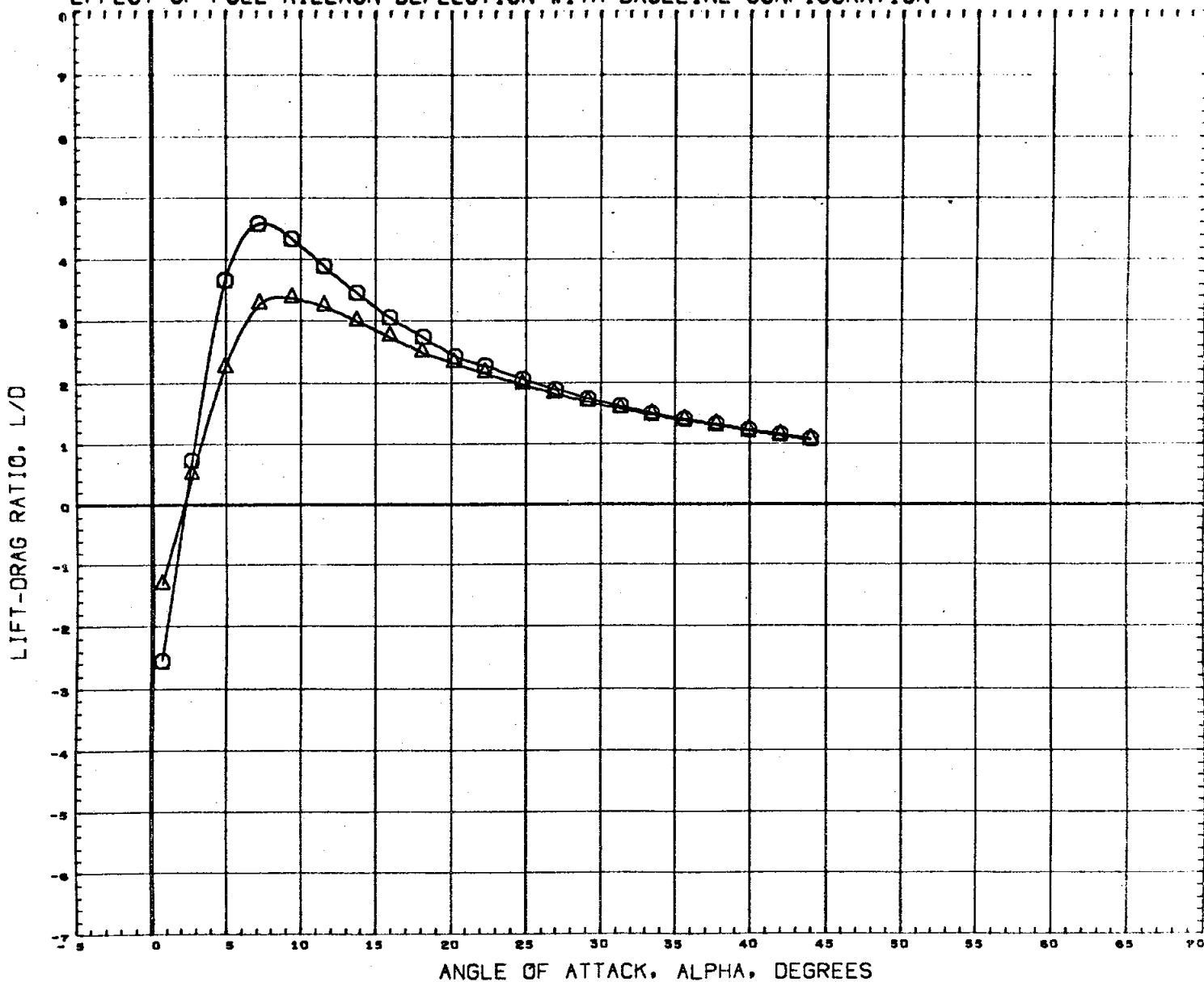


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C76303)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76319)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	10.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH .59

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EFFECT OF FULL AILERON DEFLECTION WITH BASELINE CONFIGURATION

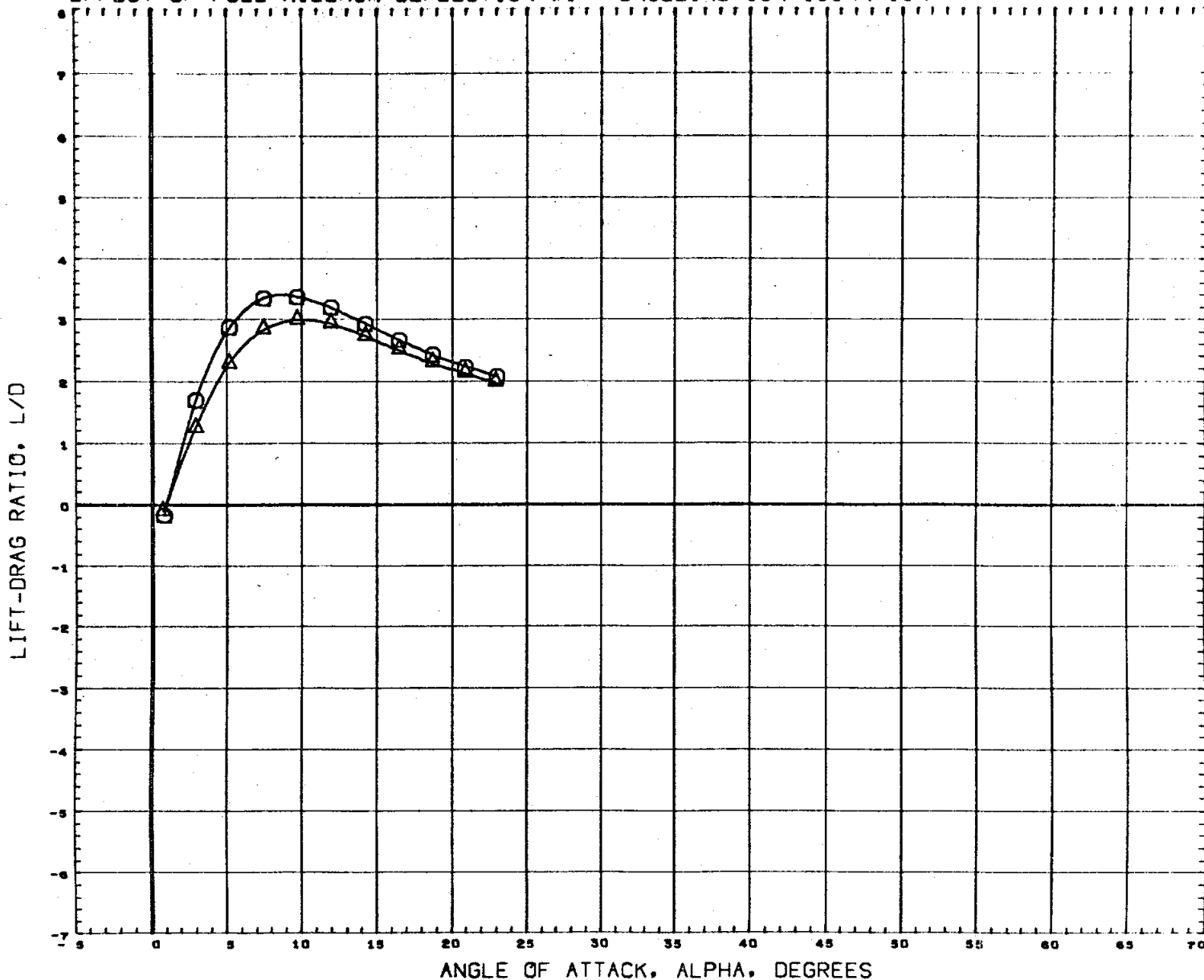


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION		
(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190	Sq. IN.
(C76319)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	10.000	LREF	2.1020	IN.
						BREF	4.0300	IN.
						XMRF	3.4530	IN.
						YMRF	0.0000	IN.
						ZMRF	0.0000	IN.
						SCALE	0.0040	

MACH .90

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EFFECT OF FULL AILERON DEFLECTION WITH BASELINE CONFIGURATION

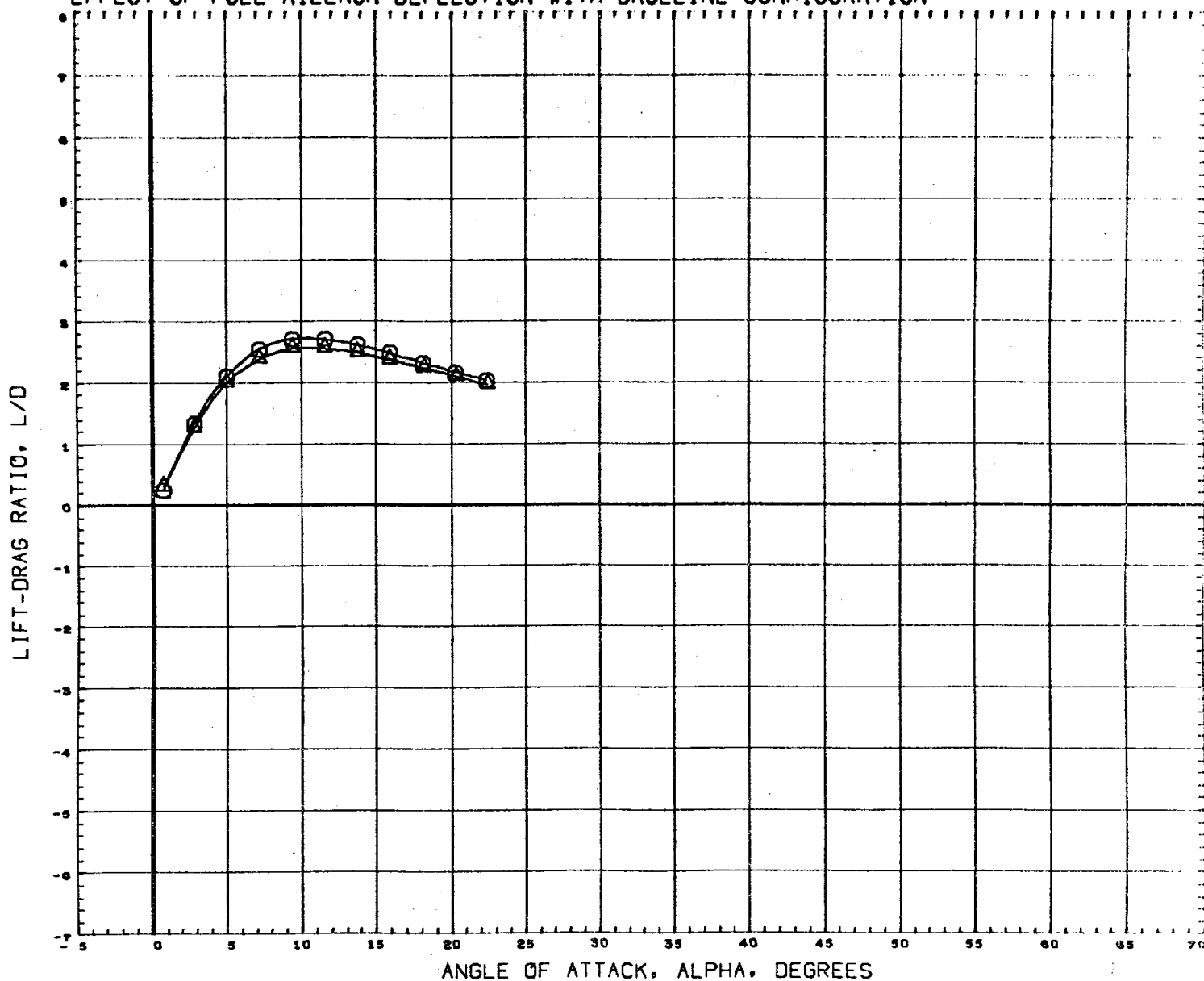


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76519)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	10.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 1.20

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EFFECT OF FULL AILERON DEFLECTION WITH BASELINE CONFIGURATION

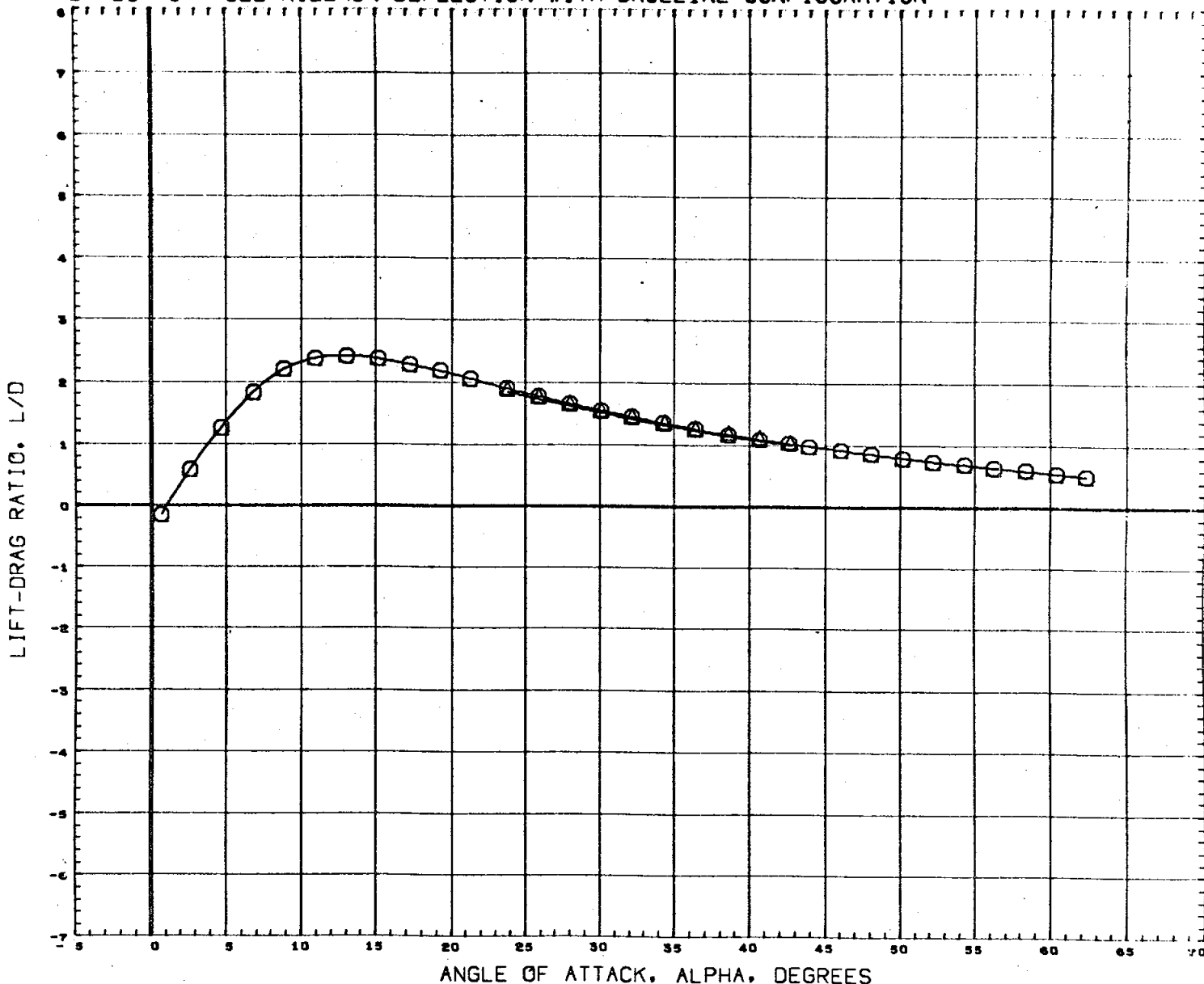


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C76305)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76319)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	10.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 1.97

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EFFECT OF FULL AILERON DEFLECTION WITH BASELINE CONFIGURATION

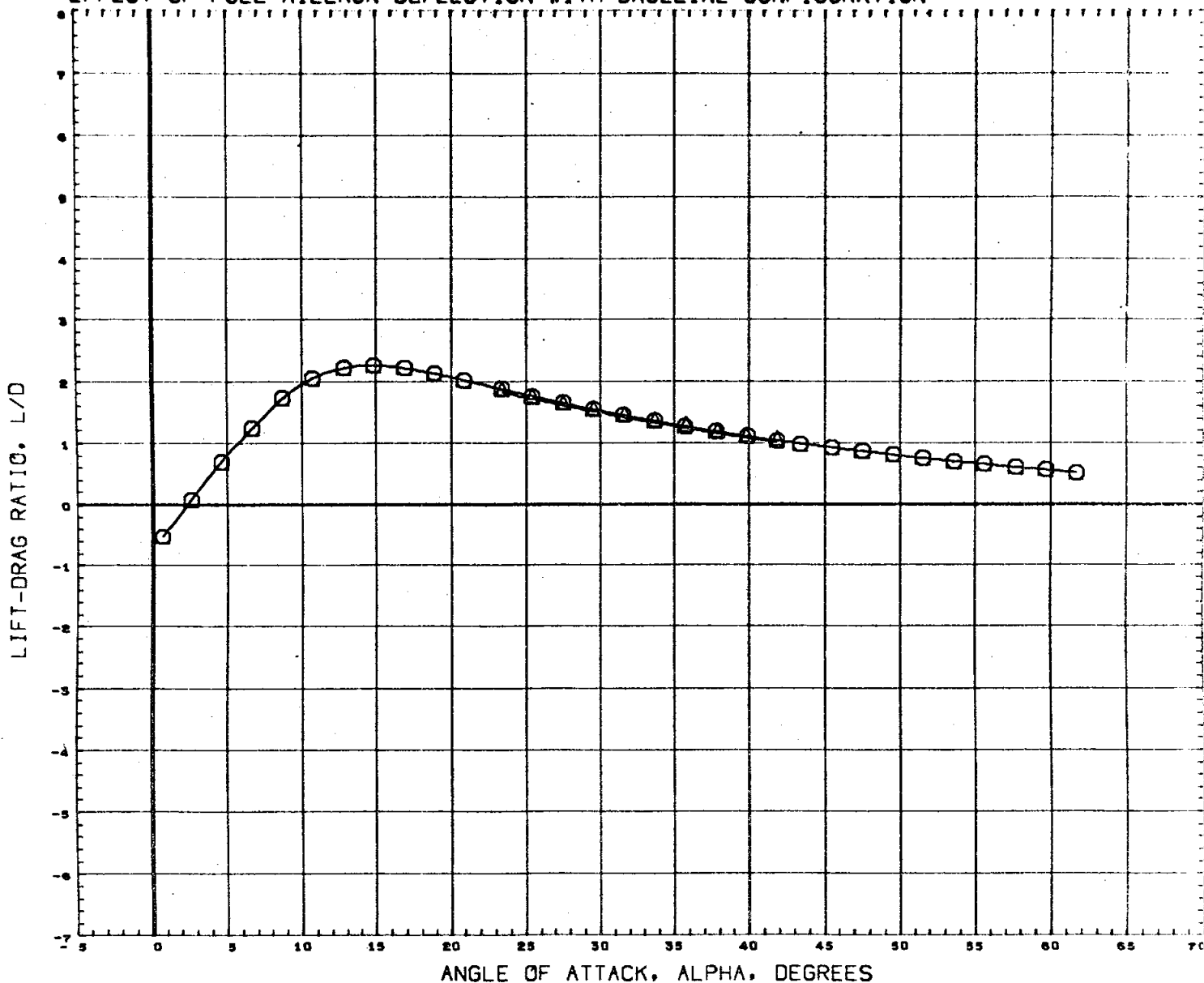


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76319)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	10.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 2.99

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EFFECT OF FULL AILERON DEFLECTION WITH BASELINE CONFIGURATION

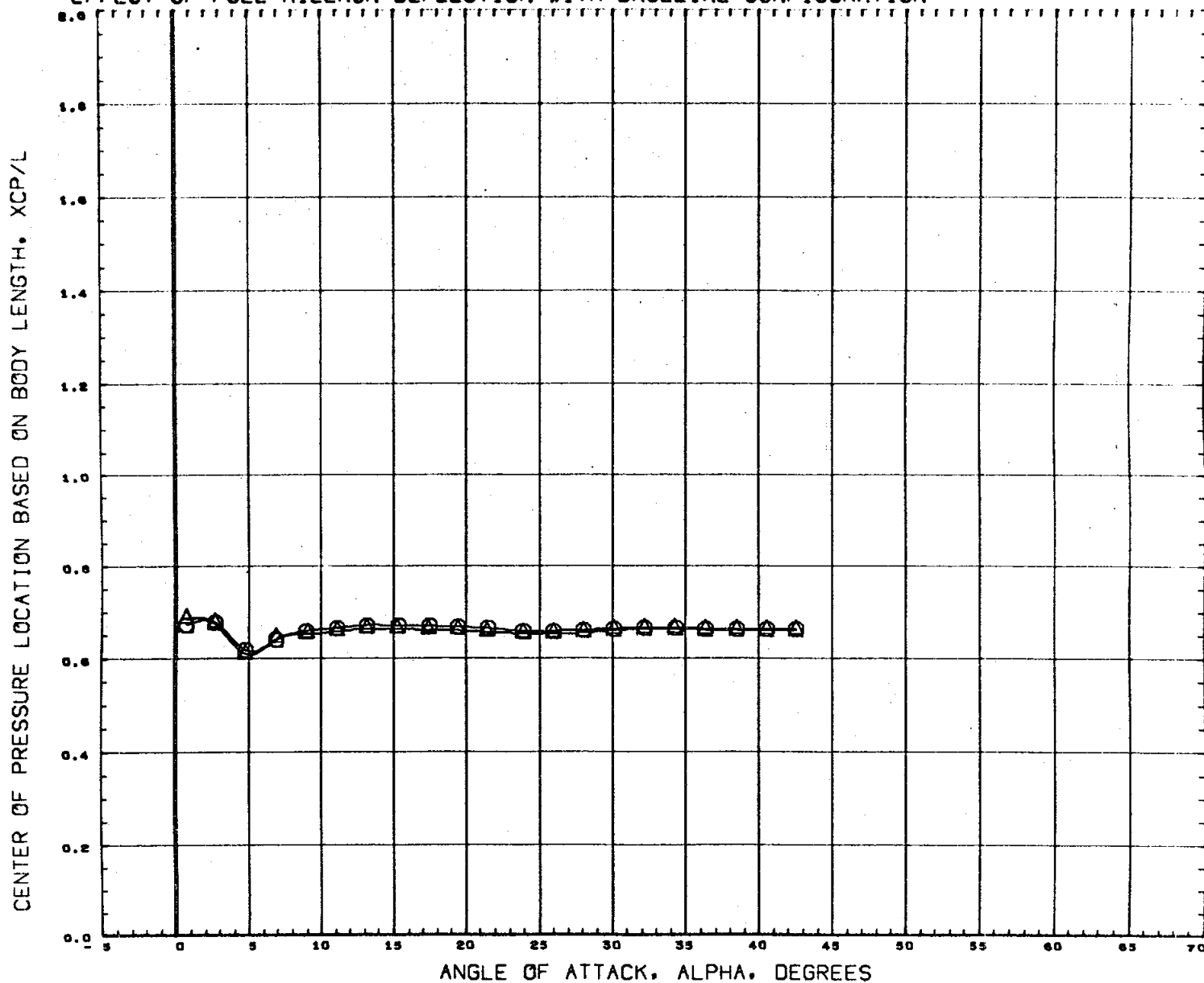


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C76308)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76319)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	10.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4330 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0046

MACH 4.96

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EFFECT OF FULL AILERON DEFLECTION WITH BASELINE CONFIGURATION

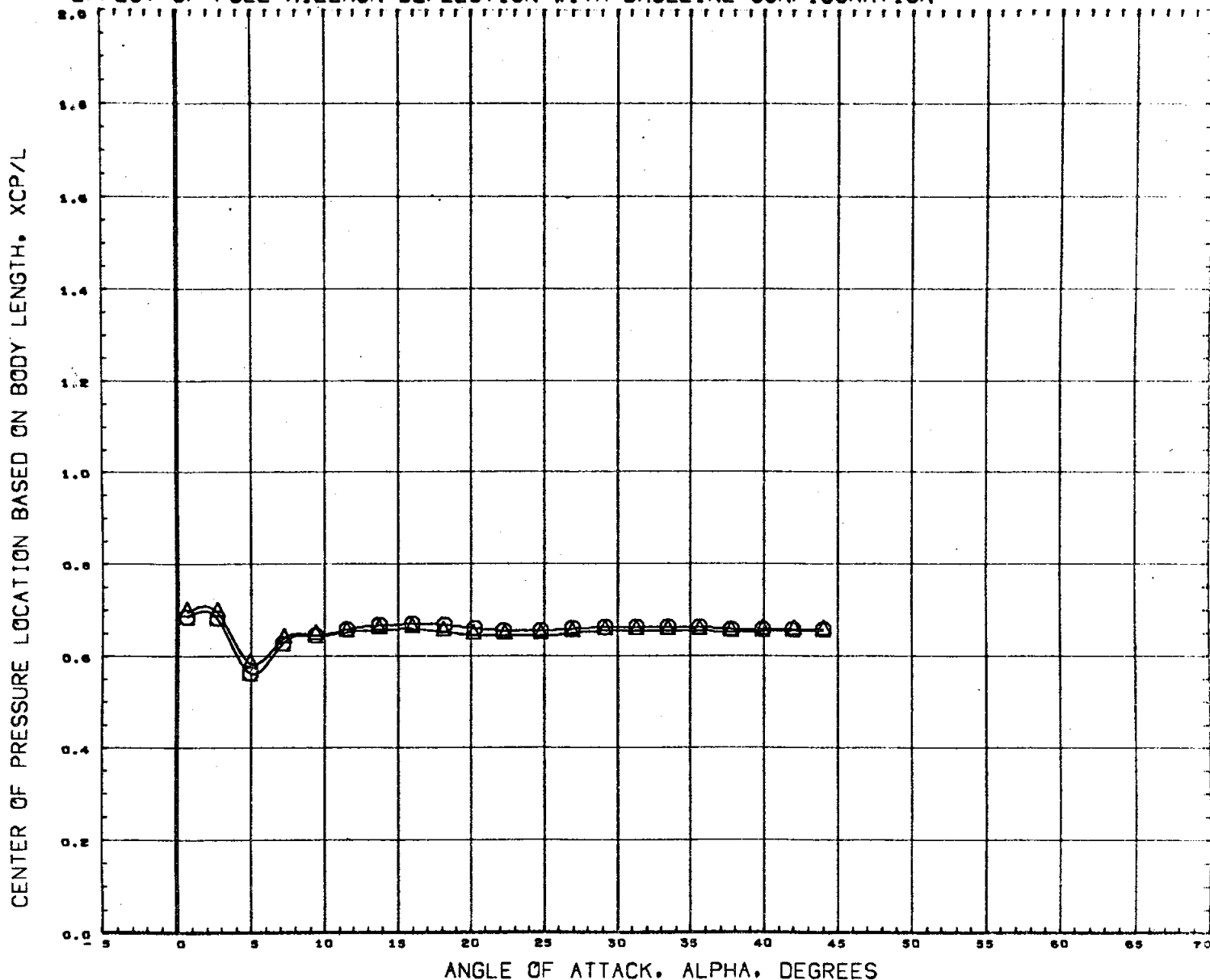


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C76308)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76319)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	10.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH .59

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EFFECT OF FULL AILERON DEFLECTION WITH BASELINE CONFIGURATION

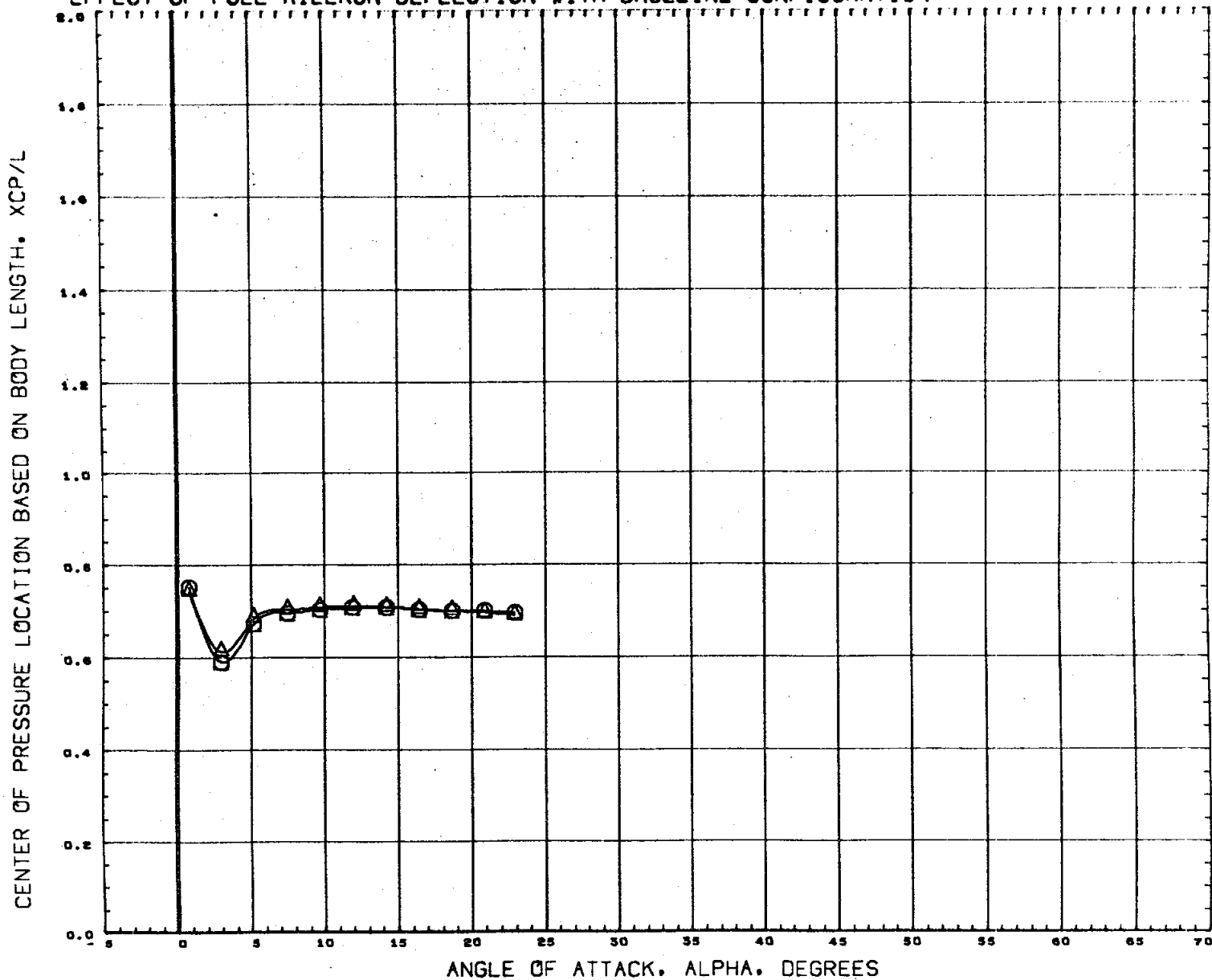


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76519)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	10.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH .90

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EFFECT OF FULL AILERON DEFLECTION WITH BASELINE CONFIGURATION

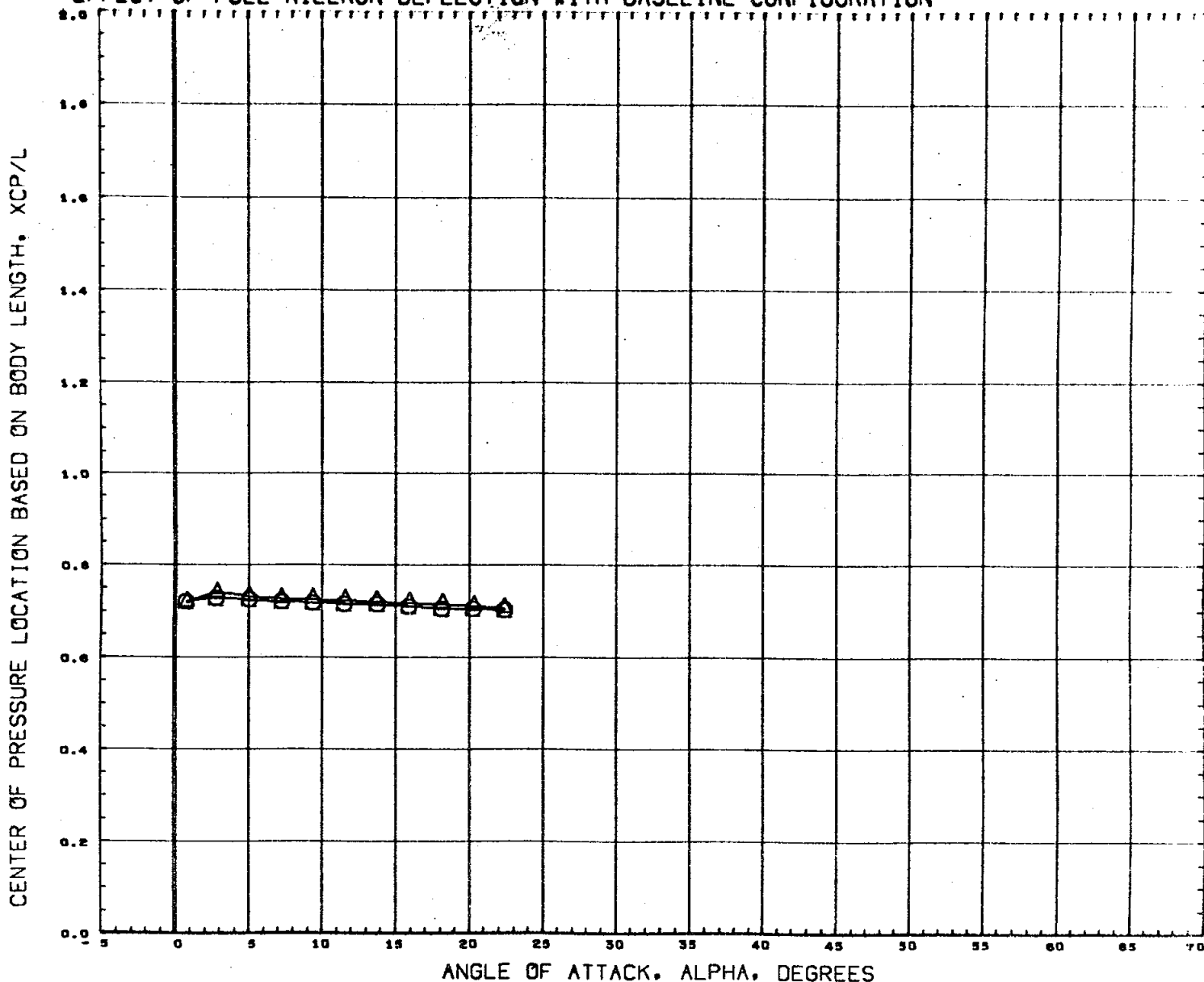


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76519)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	10.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 1.20

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EFFECT OF FULL AILERON DEFLECTION WITH BASELINE CONFIGURATION

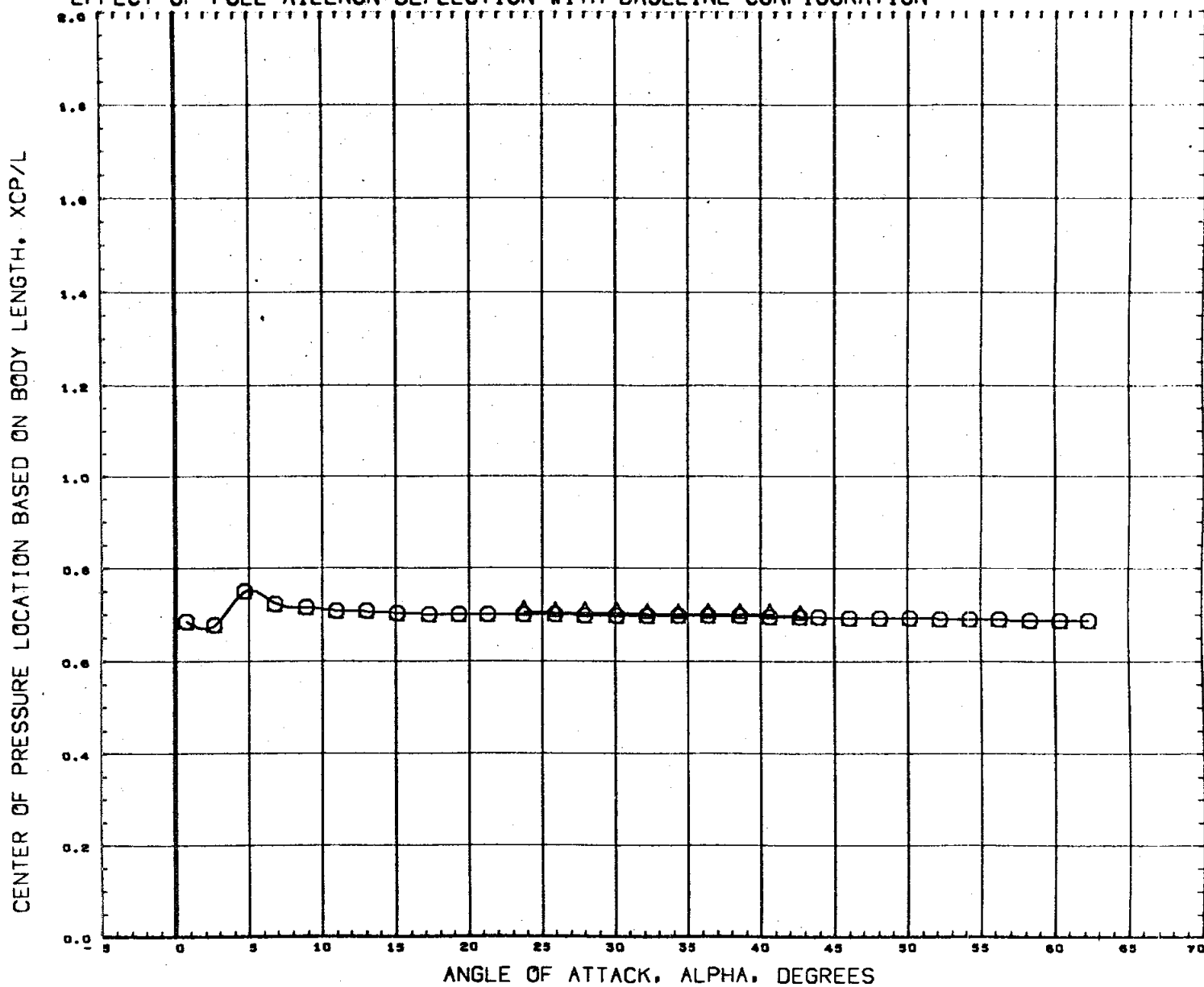


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C76308)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76519)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	10.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4330 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 1.97

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EFFECT OF FULL AILERON DEFLECTION WITH BASELINE CONFIGURATION

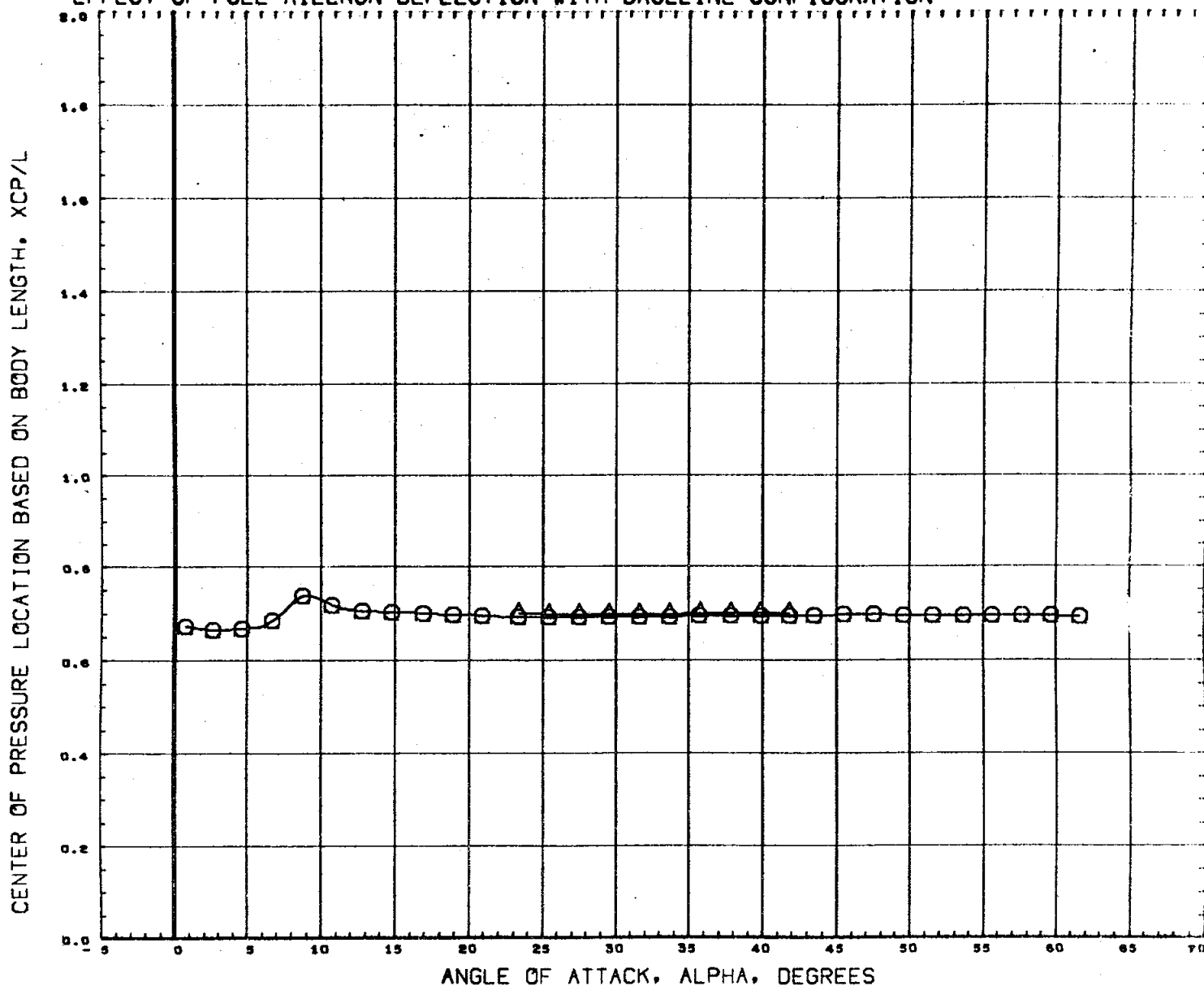


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C76309)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76319)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	10.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 2.99

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EFFECT OF FULL AILERON DEFLECTION WITH BASELINE CONFIGURATION

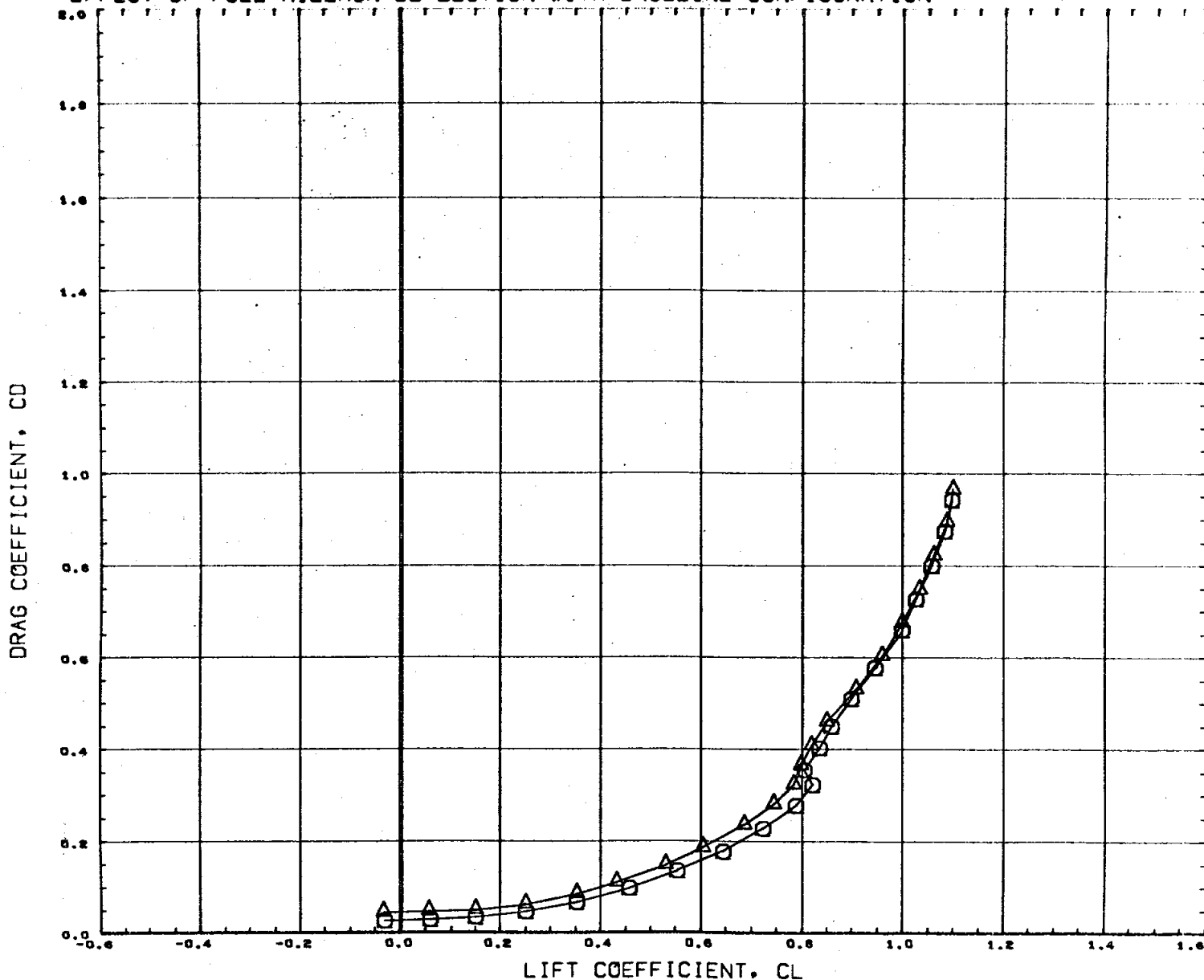


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76319)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	10.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4930 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 4.96

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EFFECT OF FULL AILERON DEFLECTION WITH BASELINE CONFIGURATION

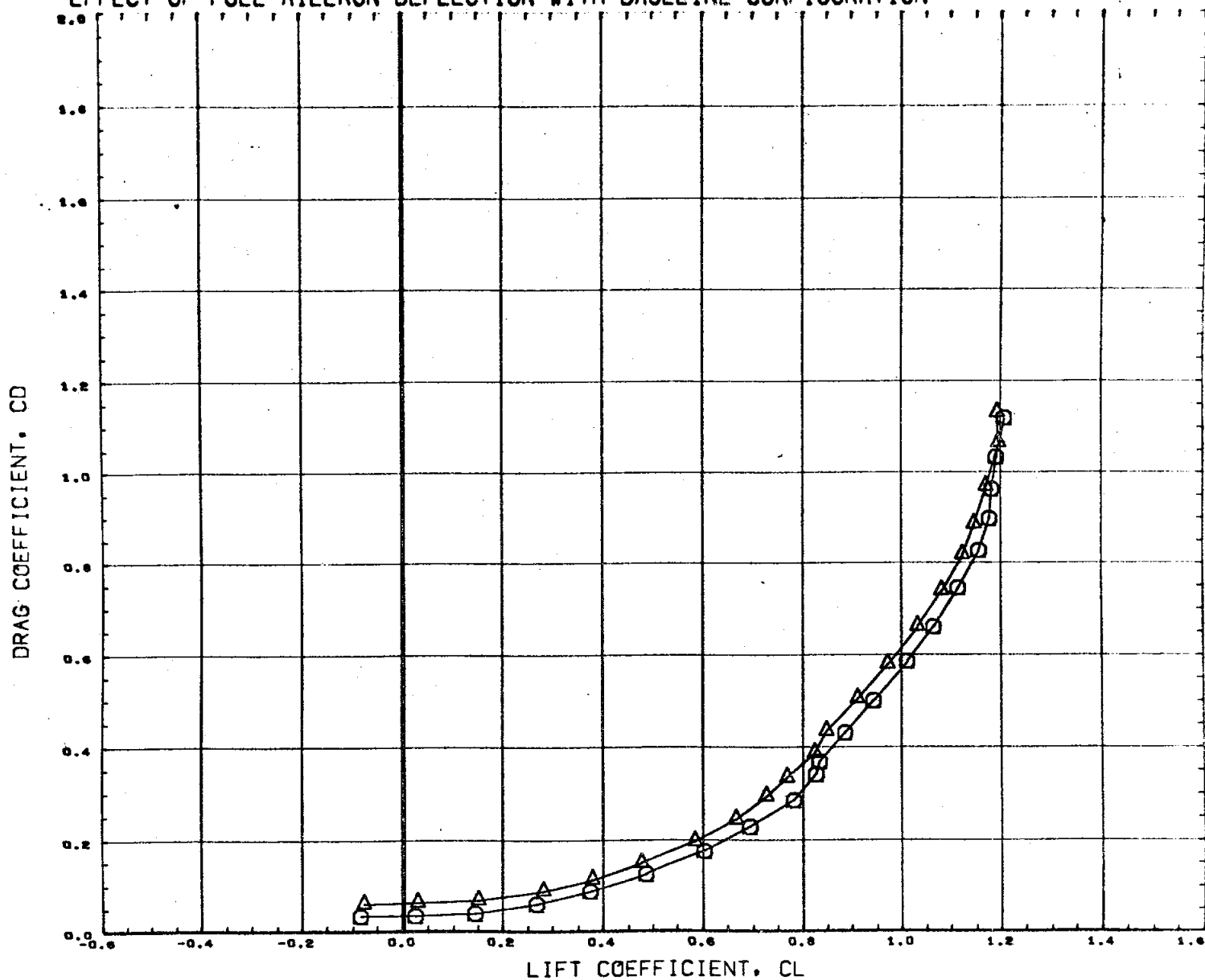


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(C7630S)	M555 (FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76519)	M555 (FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	10.000	LREF	2.1020 IN.
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						XMRR	3.4530 IN.
						YMRR	0.0000 IN.
						ZMRR	0.0000 IN.
						SCALE	0.0040

MACH .59

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EFFECT OF FULL AILERON DEFLECTION WITH BASELINE CONFIGURATION

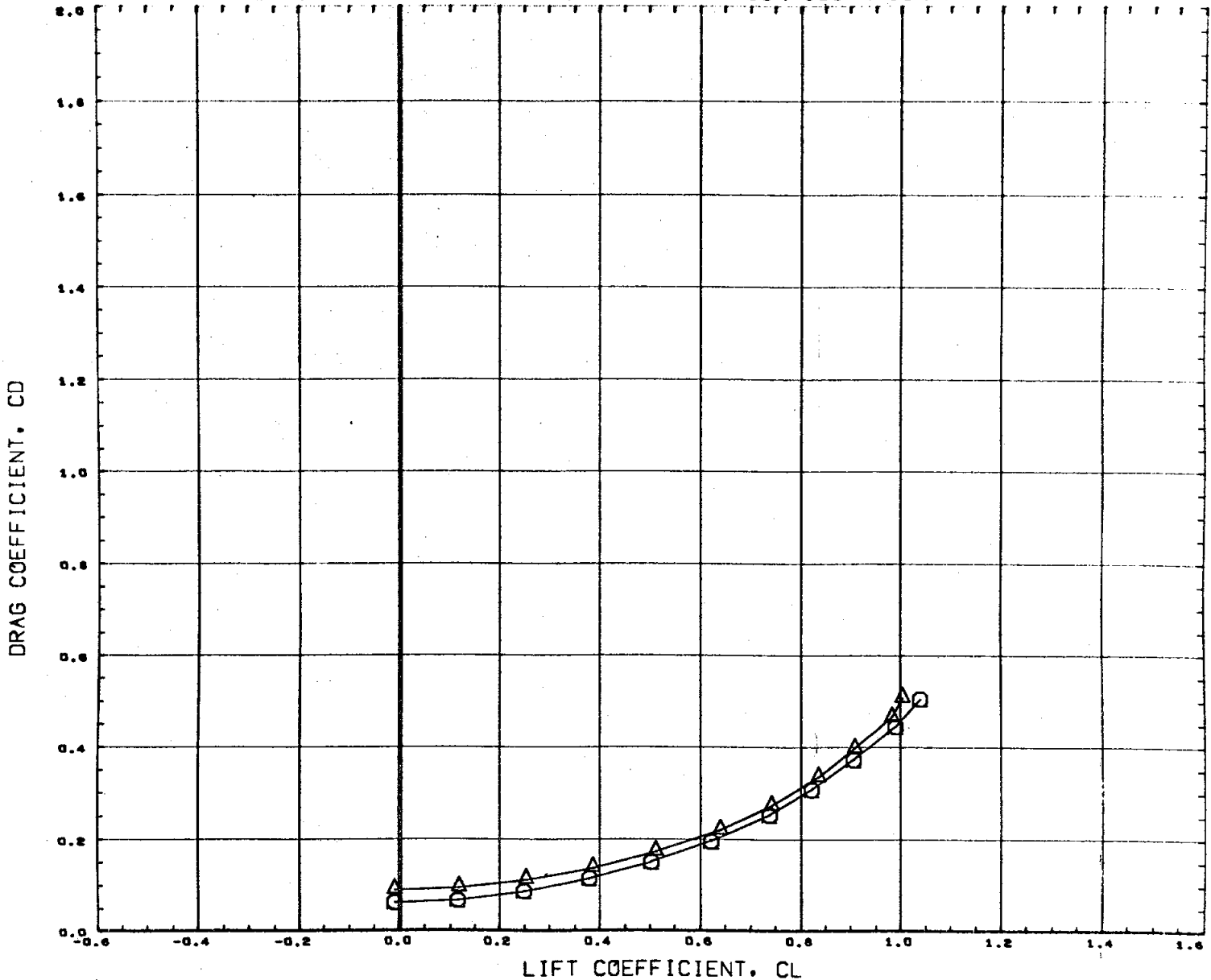


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C101F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76519)	M555 (FA3) NAR ATP ORB (B1C101F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	10.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4930 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH .90

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EFFECT OF FULL AILERON DEFLECTION WITH BASELINE CONFIGURATION

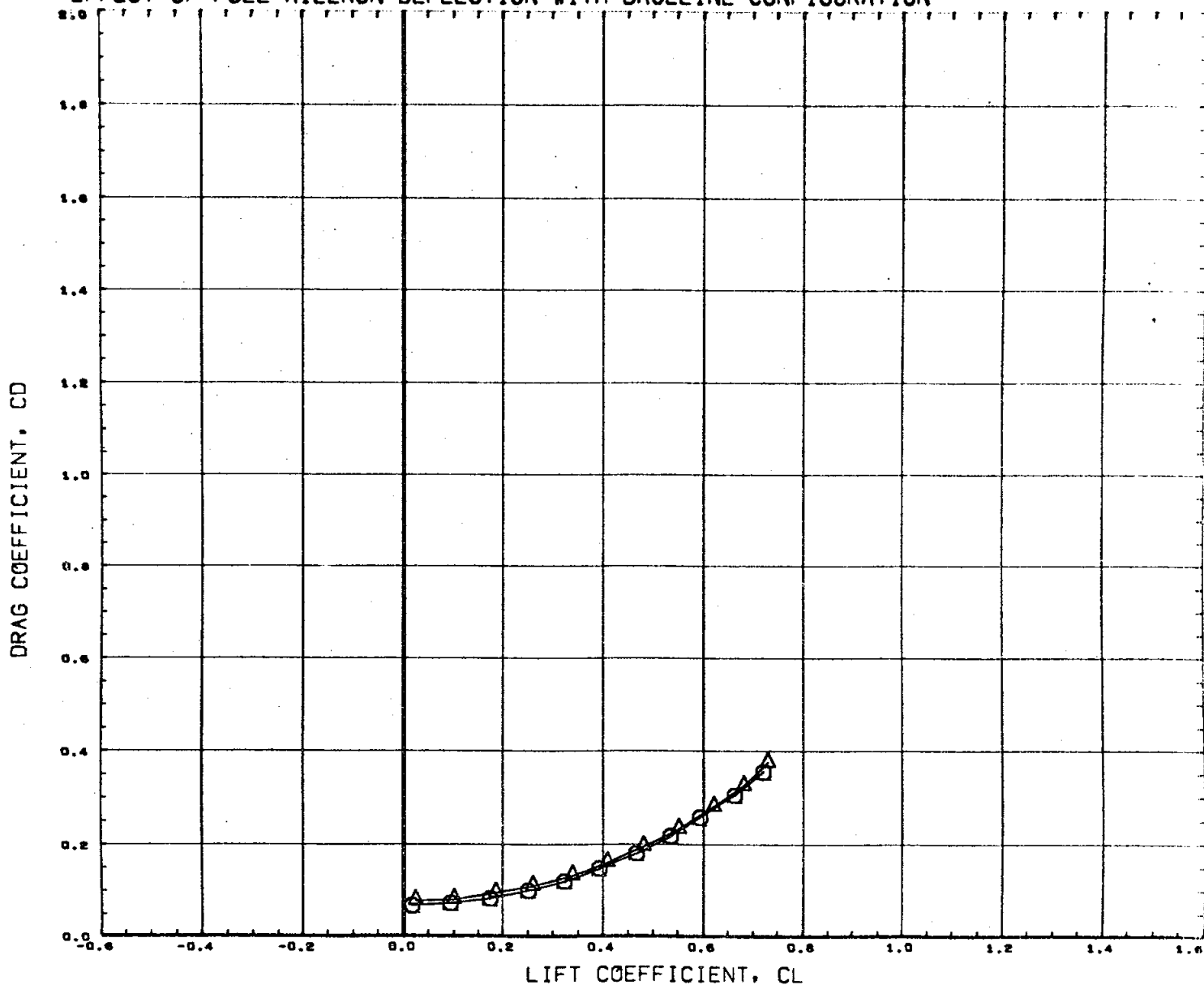


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C76303)	H555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76319)	H555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	10.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 1.20

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EFFECT OF FULL AILERON DEFLECTION WITH BASELINE CONFIGURATION

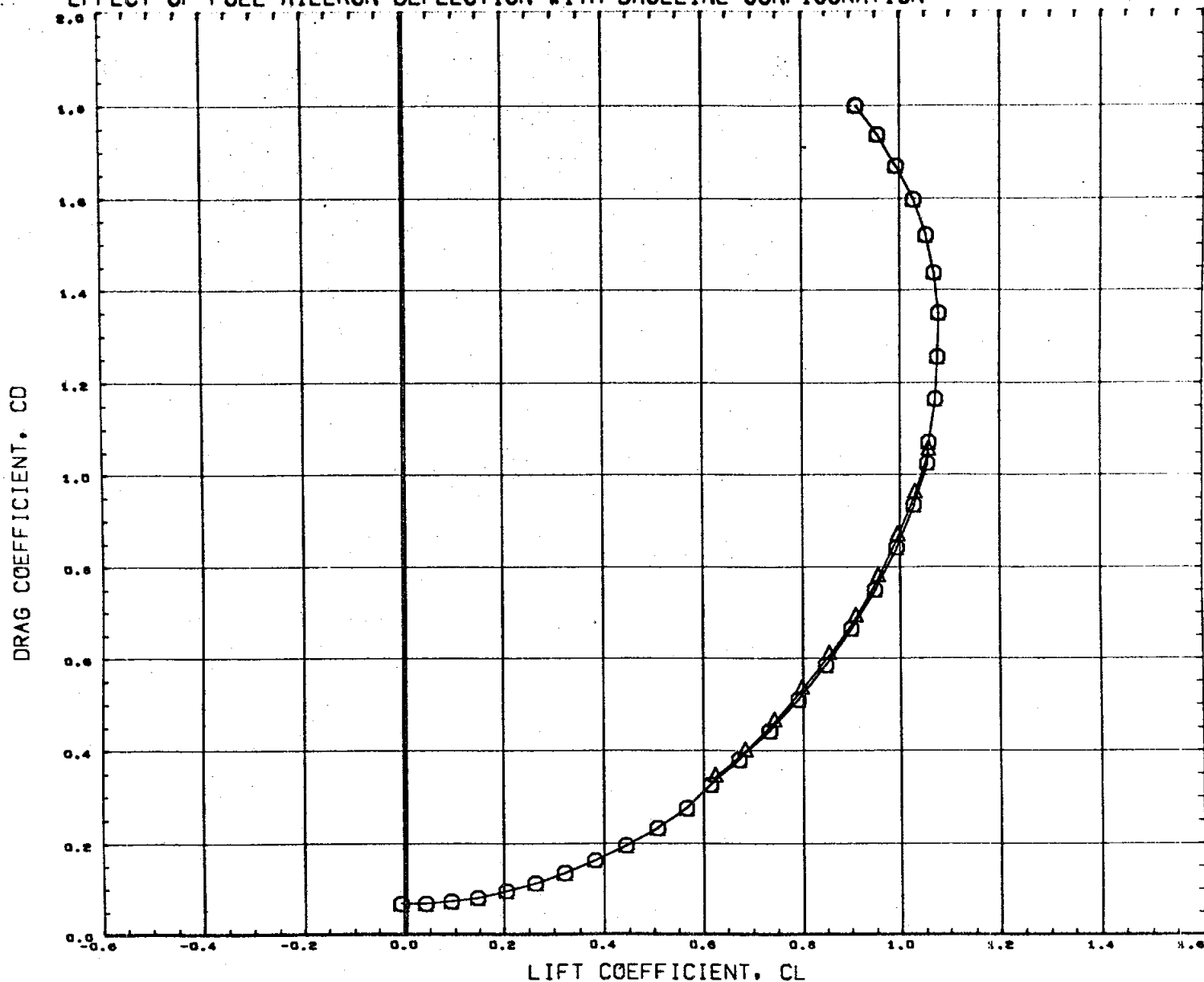


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C76305)	M555 (FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76319)	M555 (FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	10.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4930 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 1.97

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EFFECT OF FULL AILERON DEFLECTION WITH BASELINE CONFIGURATION

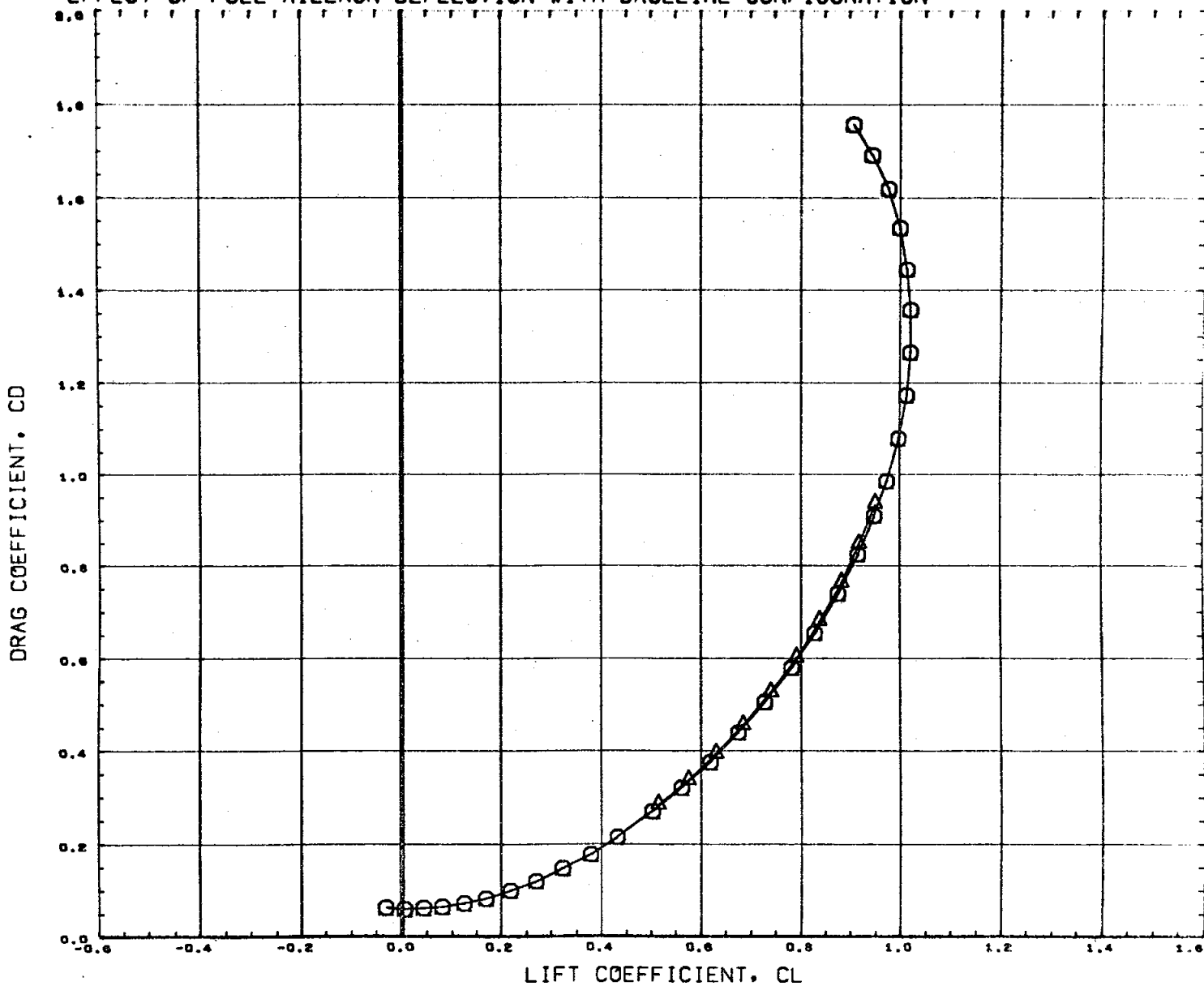


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C76308)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76319)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	10.000	LREF	2.1020 IN.
						SREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 2.99

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EFFECT OF FULL AILERON DEFLECTION WITH BASELINE CONFIGURATION

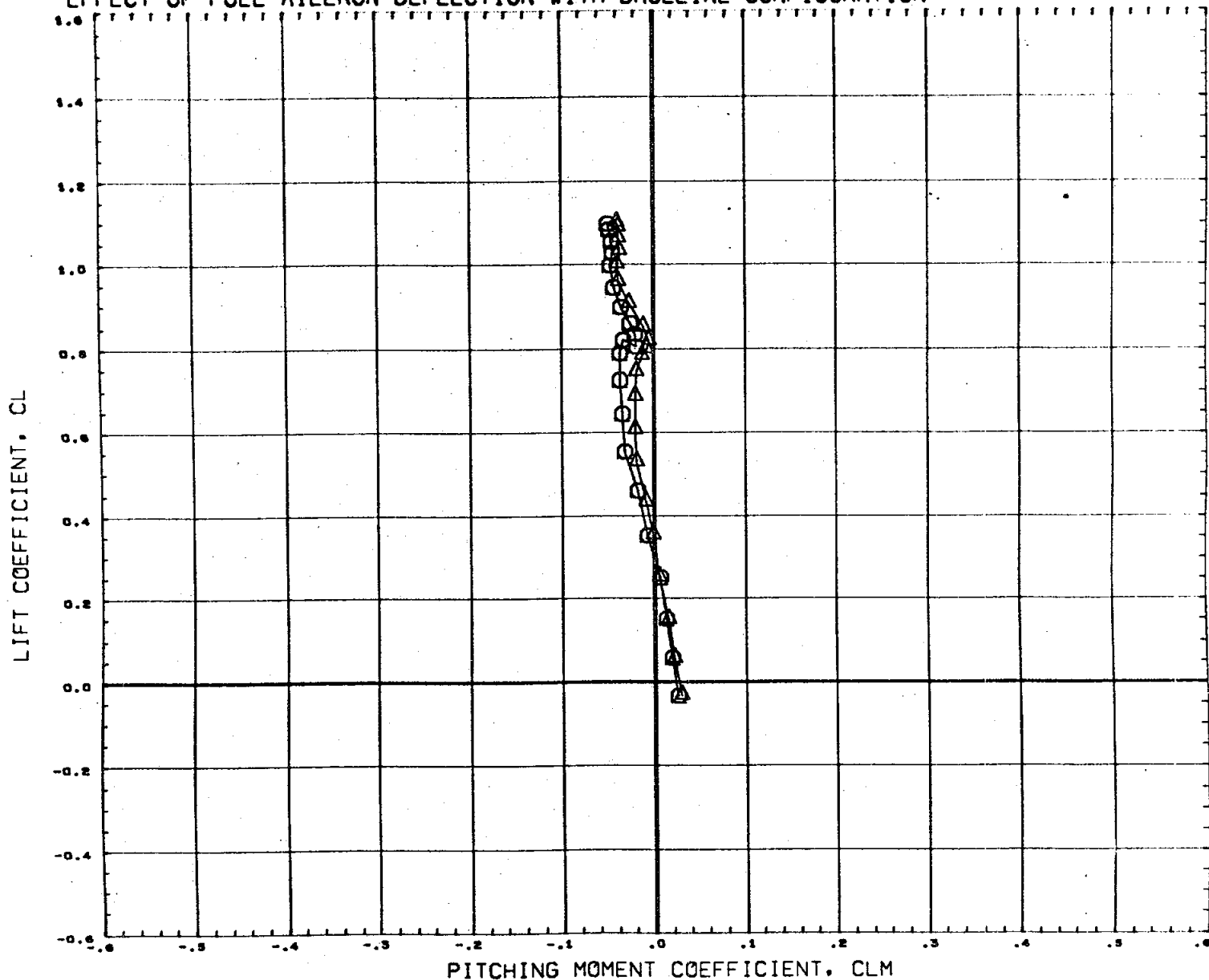


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76319)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	10.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMHP	3.4530 IN.
						YMHP	0.0000 IN.
						ZMHP	0.0000 IN.
						SCALE	0.0040

MACH 4.96

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EFFECT OF FULL AILERON DEFLECTION WITH BASELINE CONFIGURATION

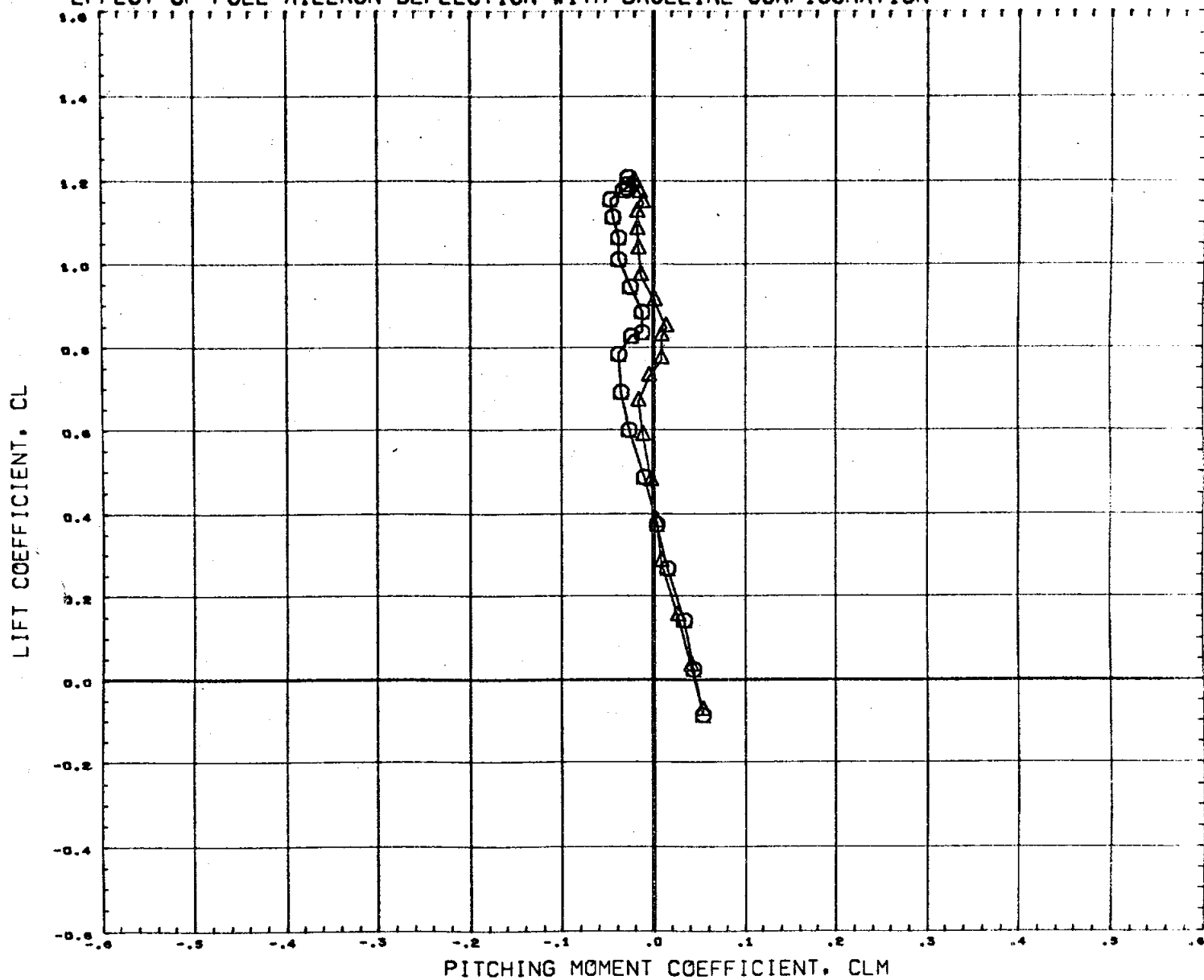


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(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76319)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	10.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH .59

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EFFECT OF FULL AILERON DEFLECTION WITH BASELINE CONFIGURATION

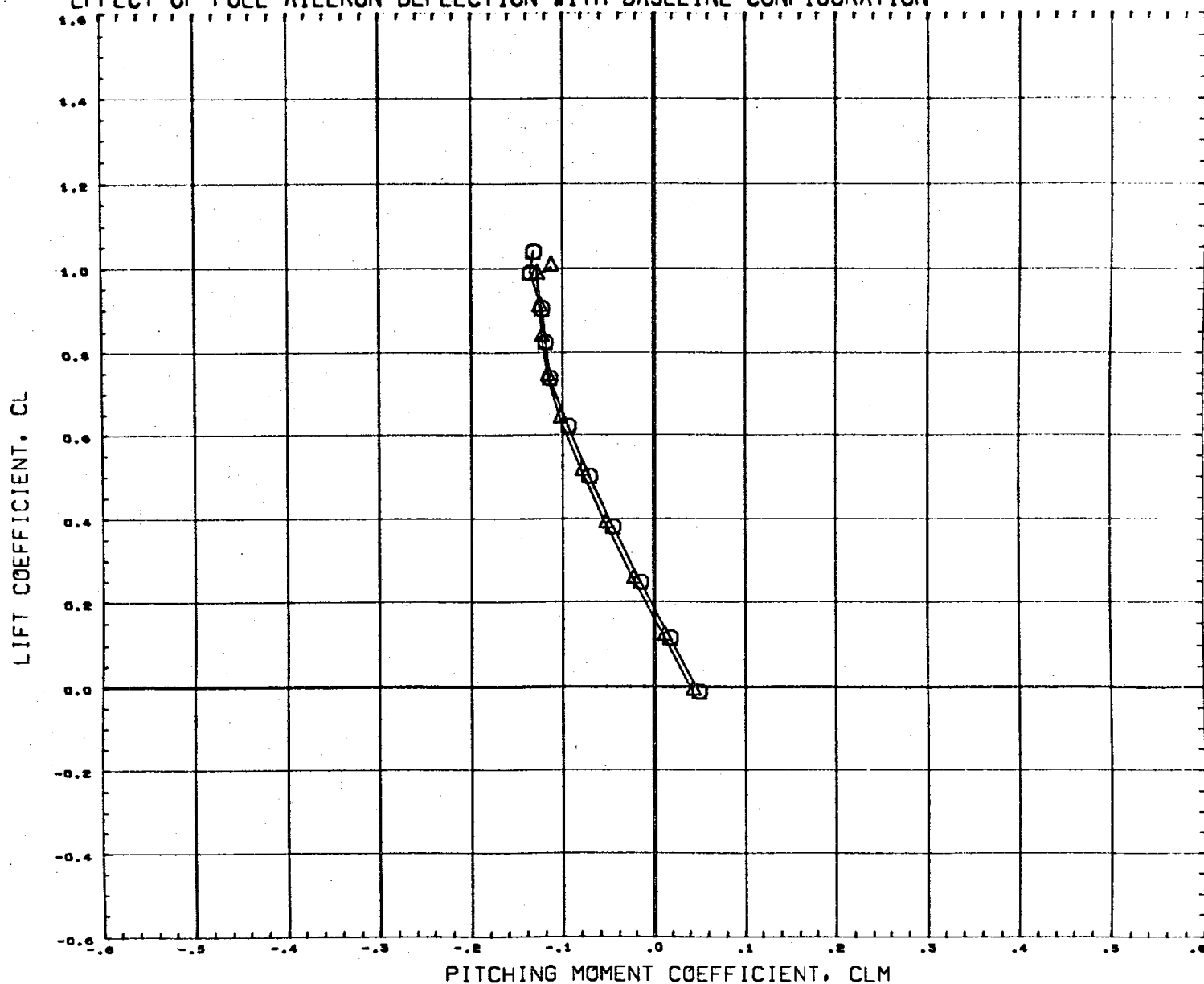


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C76308)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76319)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	10.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH .90

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EFFECT OF FULL AILERON DEFLECTION WITH BASELINE CONFIGURATION

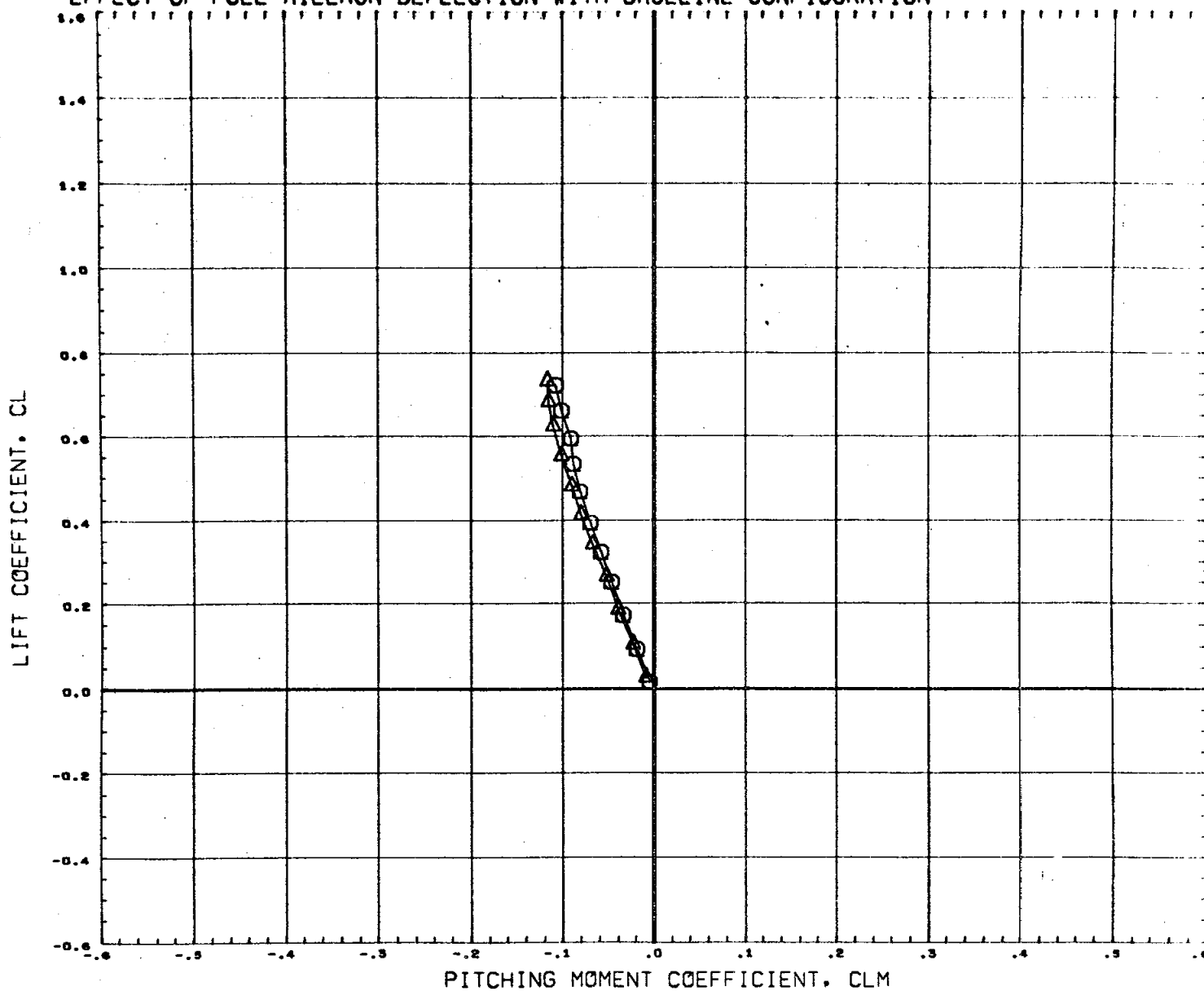


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76519)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	10.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 1.20

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EFFECT OF FULL AILERON DEFLECTION WITH BASELINE CONFIGURATION

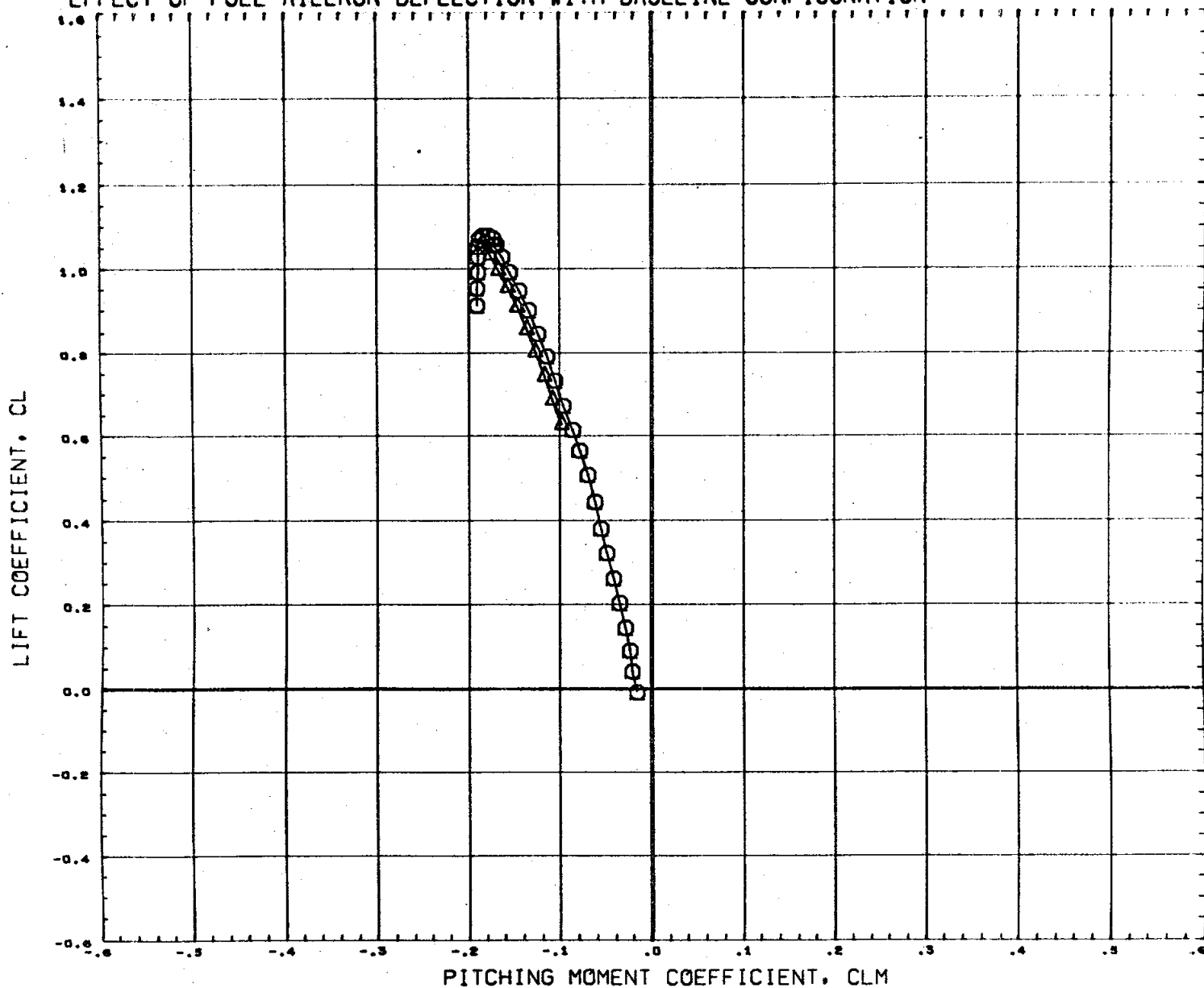


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C76308)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76319)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	10.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 1.97

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EFFECT OF FULL AILERON DEFLECTION WITH BASELINE CONFIGURATION

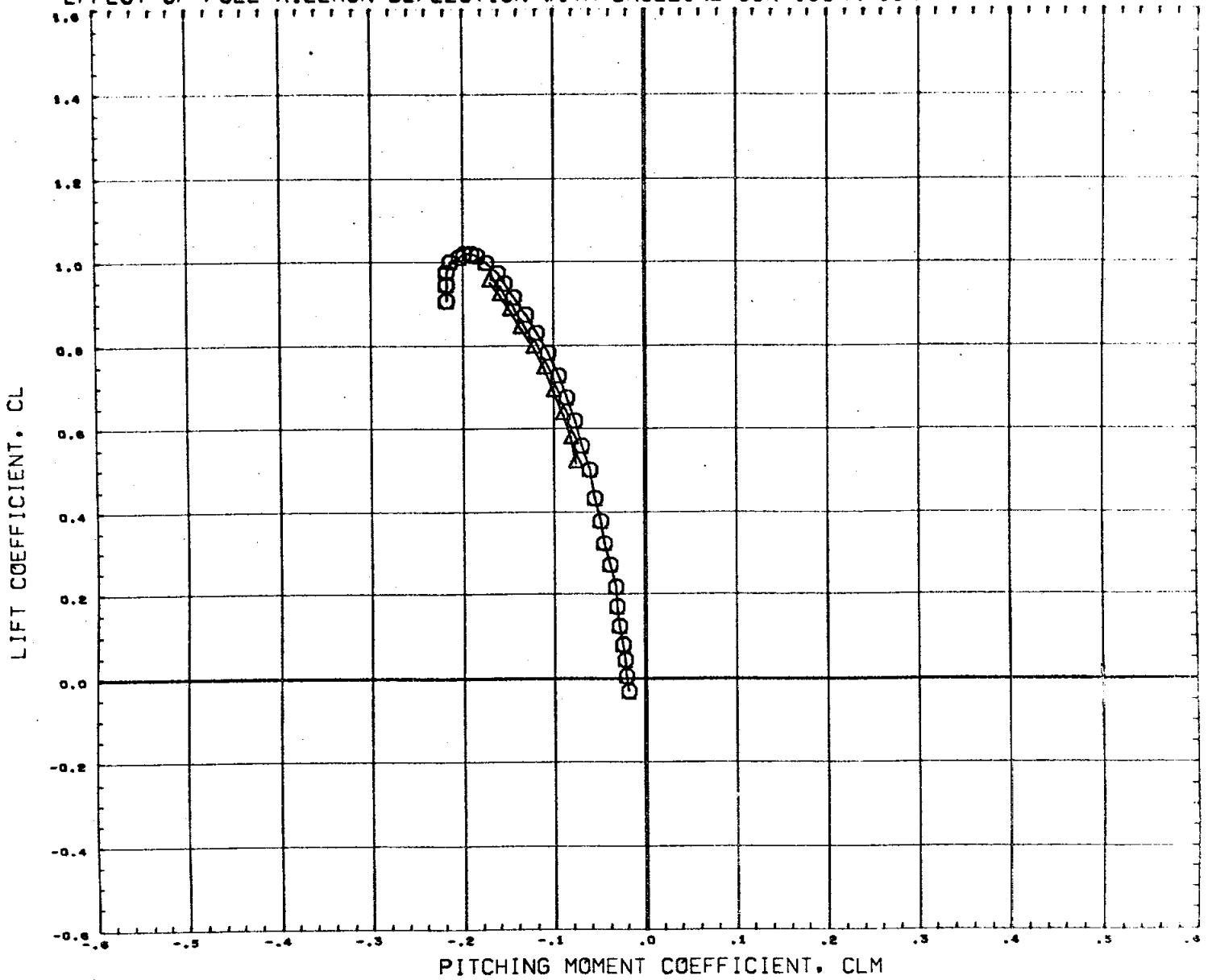


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C76305)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76519)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	10.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 2.99

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EFFECT OF FULL AILERON DEFLECTION WITH BASELINE CONFIGURATION

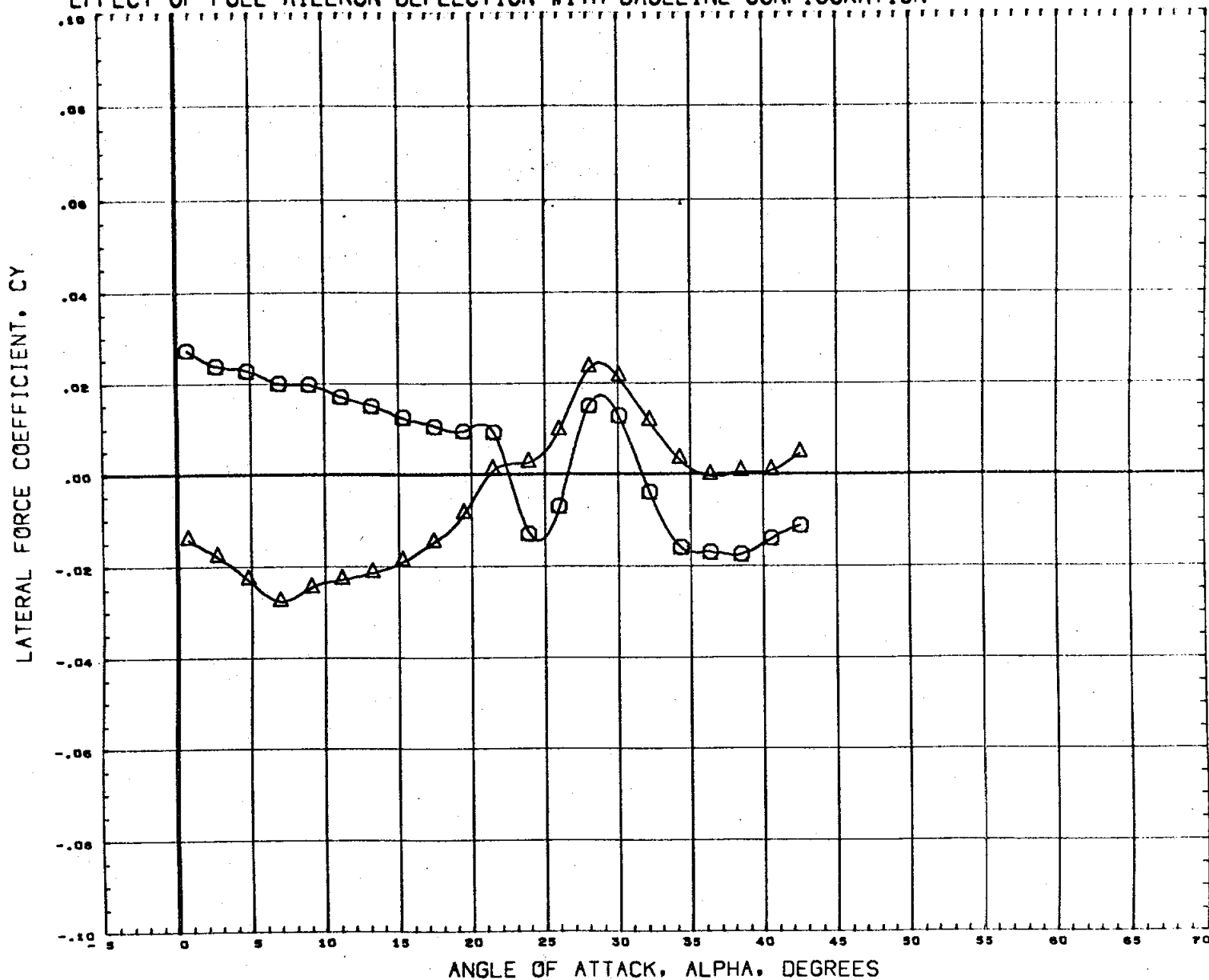


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76319)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	10.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 4.96

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EFFECT OF FULL AILERON DEFLECTION WITH BASELINE CONFIGURATION

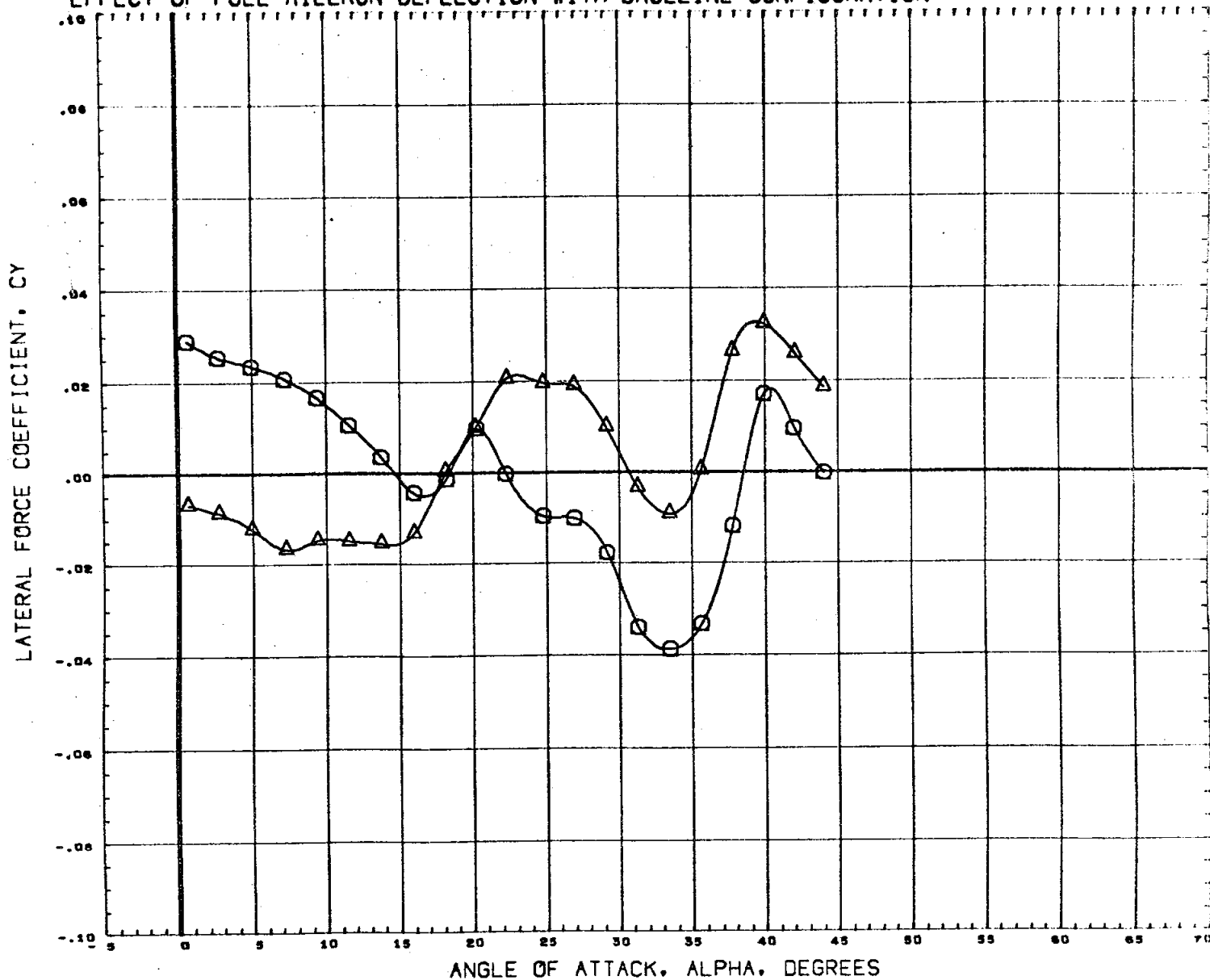


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(A76303)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(A76319)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	10.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH .59

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EFFECT OF FULL AILERON DEFLECTION WITH BASELINE CONFIGURATION

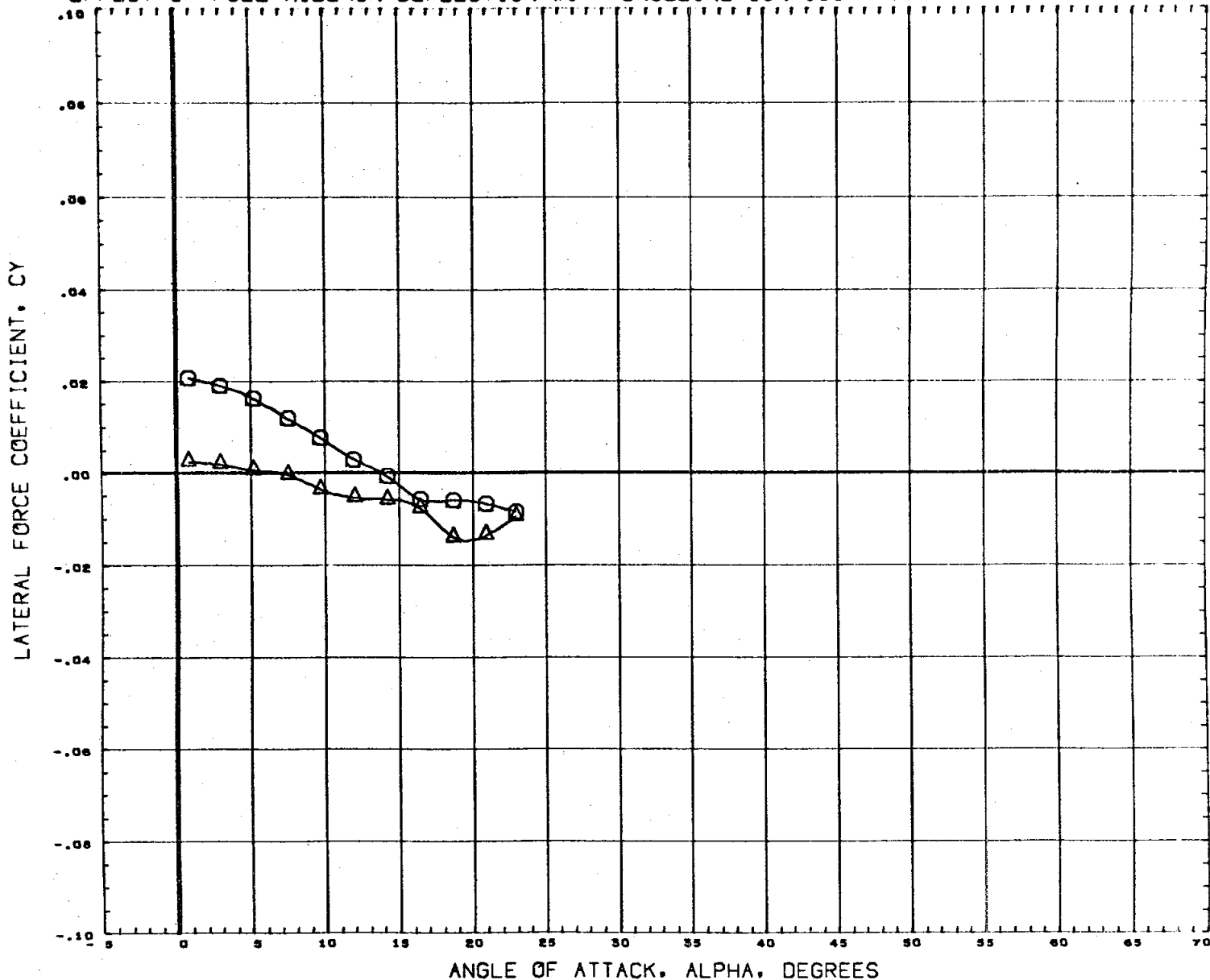


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(A76308)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(A76319)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	10.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH .90

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EFFECT OF FULL AILERON DEFLECTION WITH BASELINE CONFIGURATION

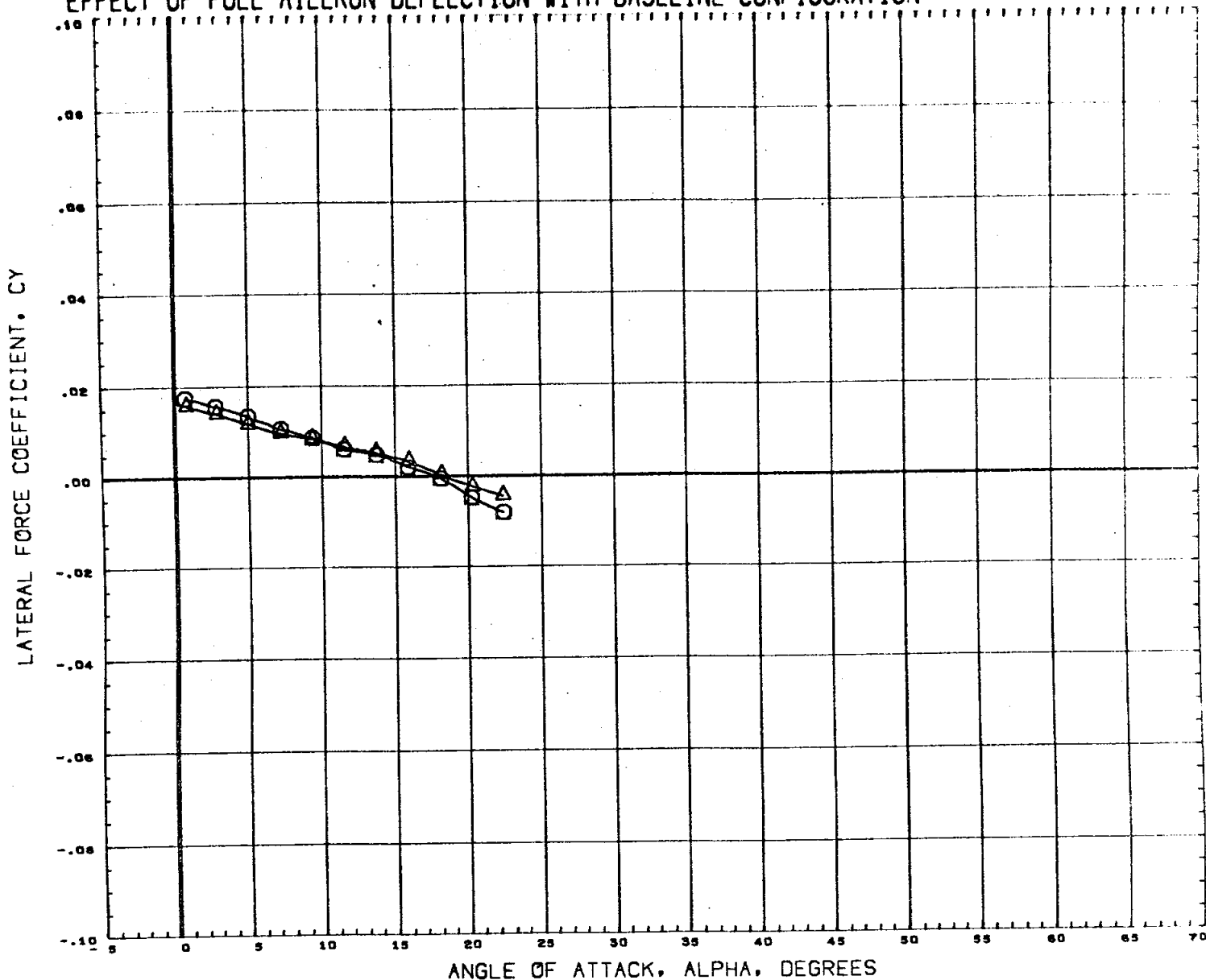


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION		
(A78303)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190	SQ. IN.
(A78319)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	10.000	LREF	2.1020	IN.
						BREF	4.0300	IN.
						XMRP	3.4530	IN.
						YMRP	0.0000	IN.
						ZMRP	0.0000	IN.
						SCALE	0.0040	

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EFFECT OF FULL AILERON DEFLECTION WITH BASELINE CONFIGURATION



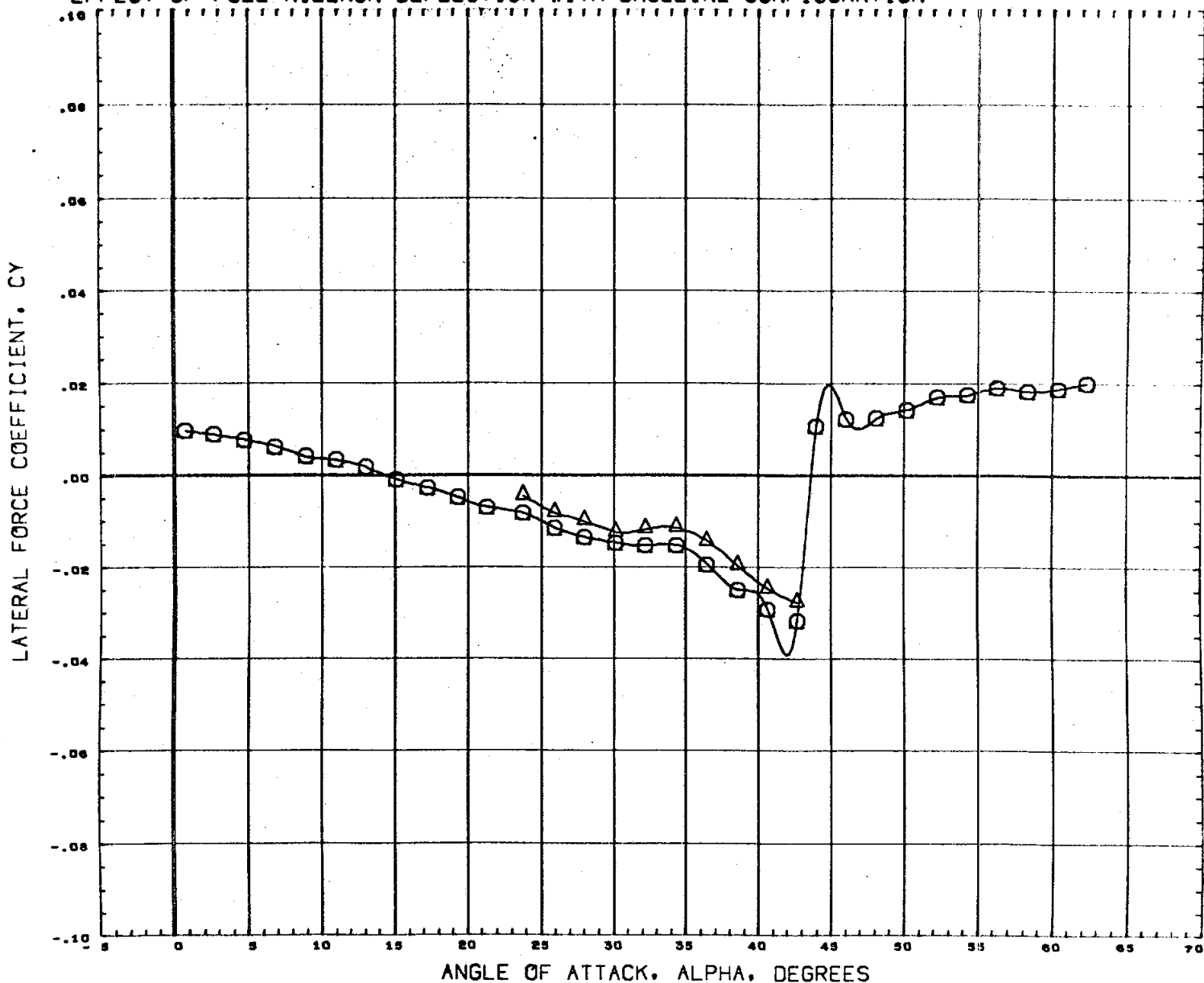
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(A76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(A76319)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	10.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						YMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH

1.97

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EFFECT OF FULL AILERON DEFLECTION WITH BASELINE CONFIGURATION

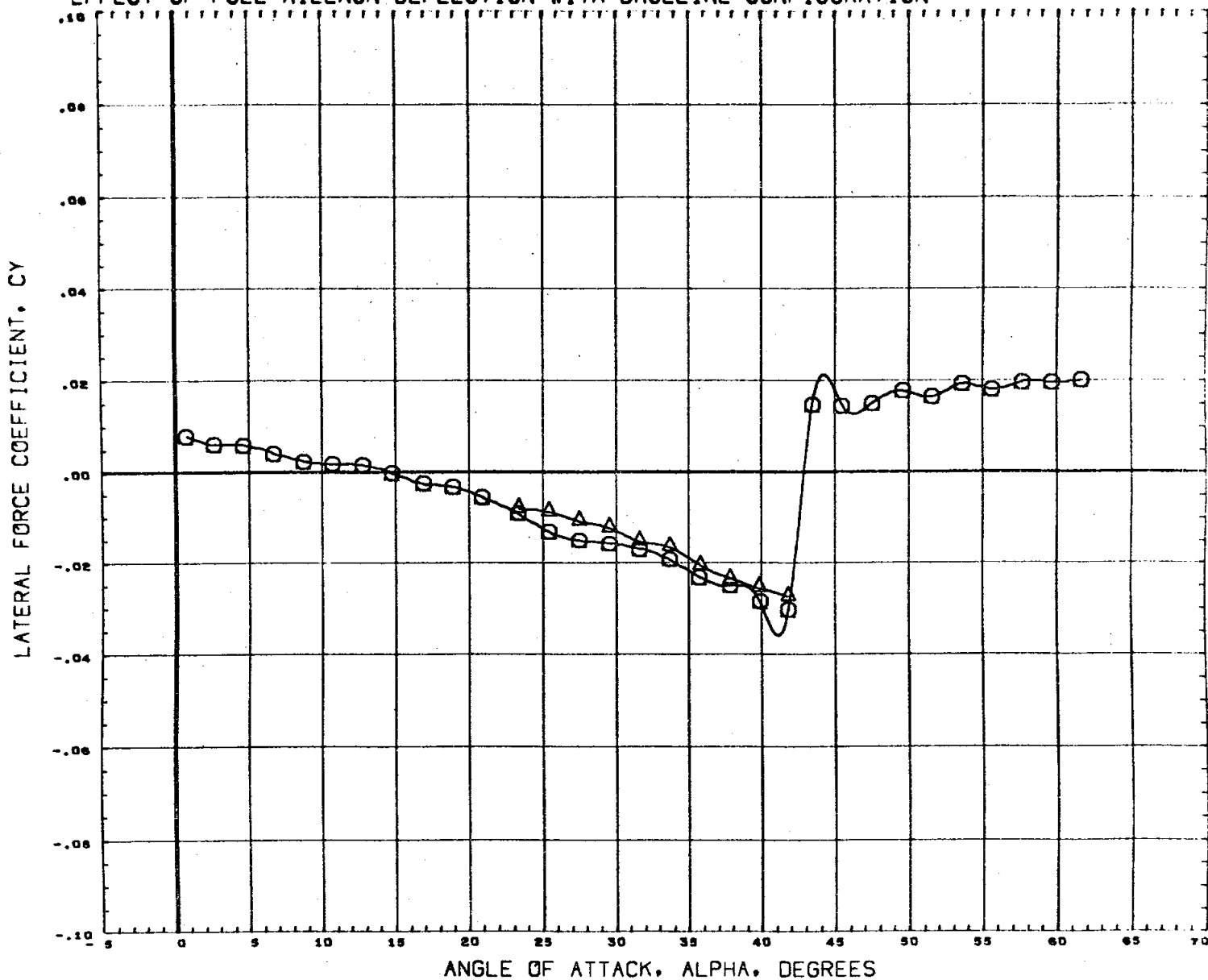


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
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(A76S19)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	10.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 2.99

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EFFECT OF FULL AILERON DEFLECTION WITH BASELINE CONFIGURATION

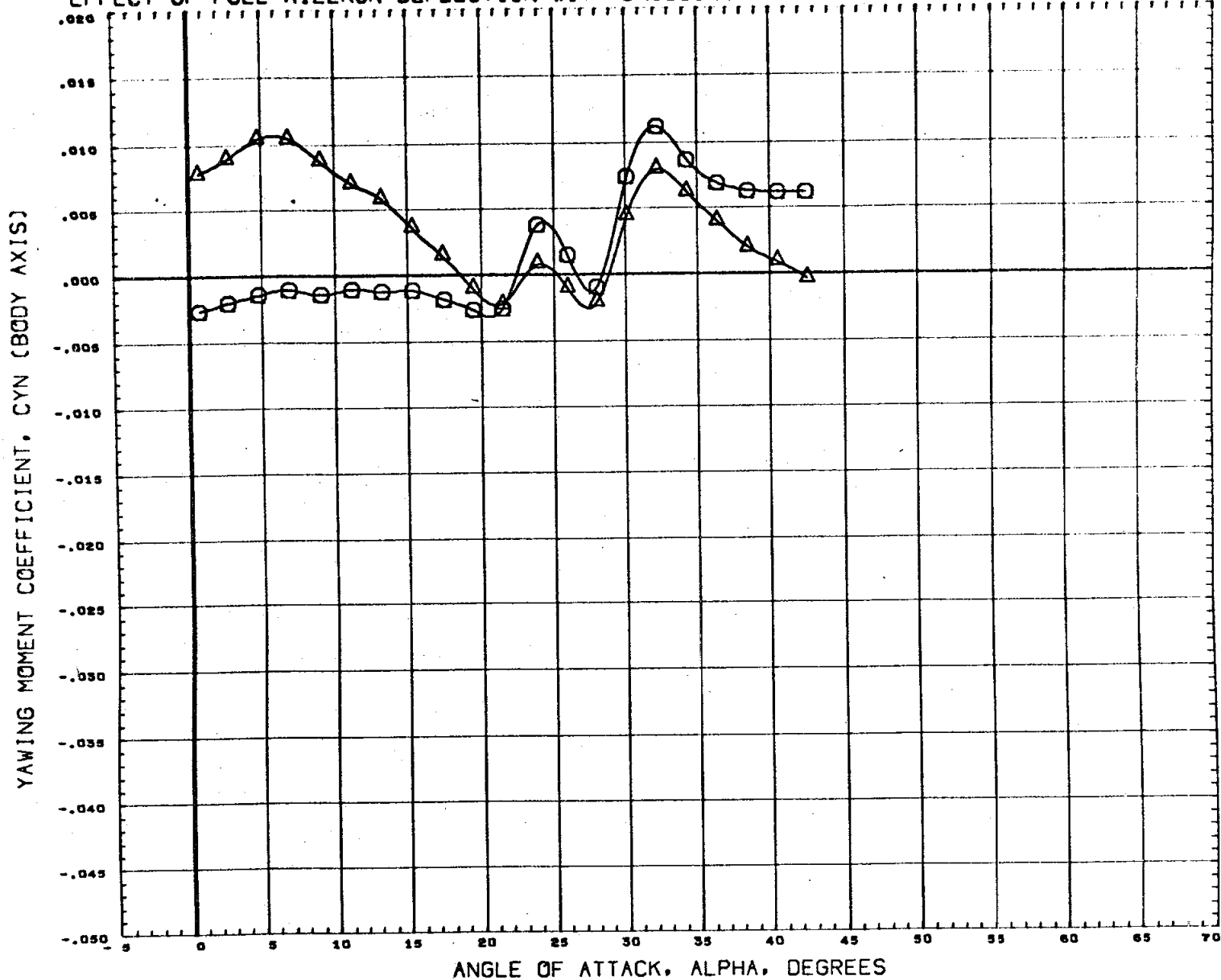


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(A7630S)	M555(FAS) NAR ATP ORB (B1C101F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(A7631S)	M555(FAS) NAR ATP ORB (B1C101F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	10.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 4.96

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EFFECT OF FULL AILERON DEFLECTION WITH BASELINE CONFIGURATION



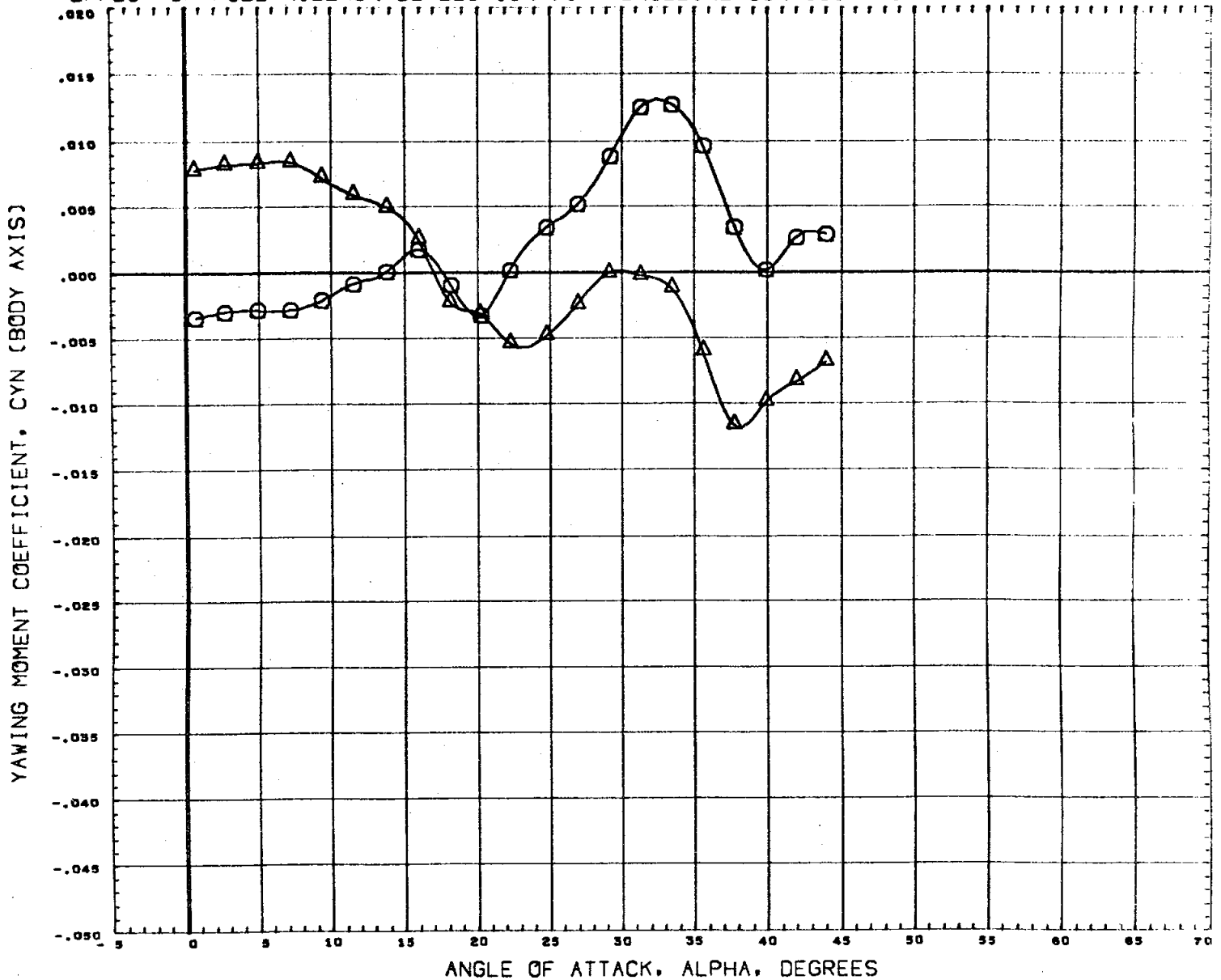
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(A76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(A76319)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	10.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH

.59

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EFFECT OF FULL AILERON DEFLECTION WITH BASELINE CONFIGURATION

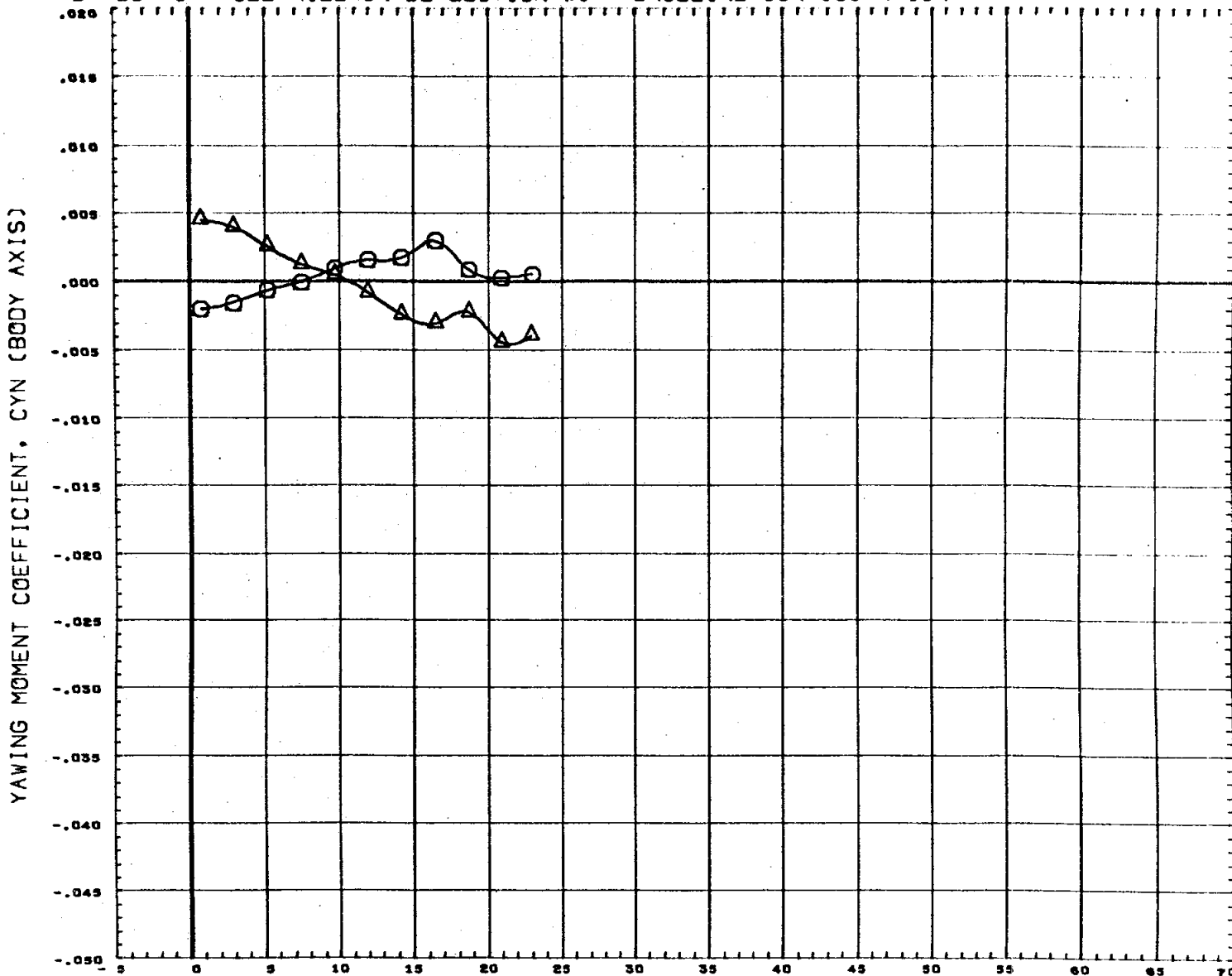


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(A7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(A76319)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	10.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4330 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH .90

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EFFECT OF FULL AILERON DEFLECTION WITH BASELINE CONFIGURATION



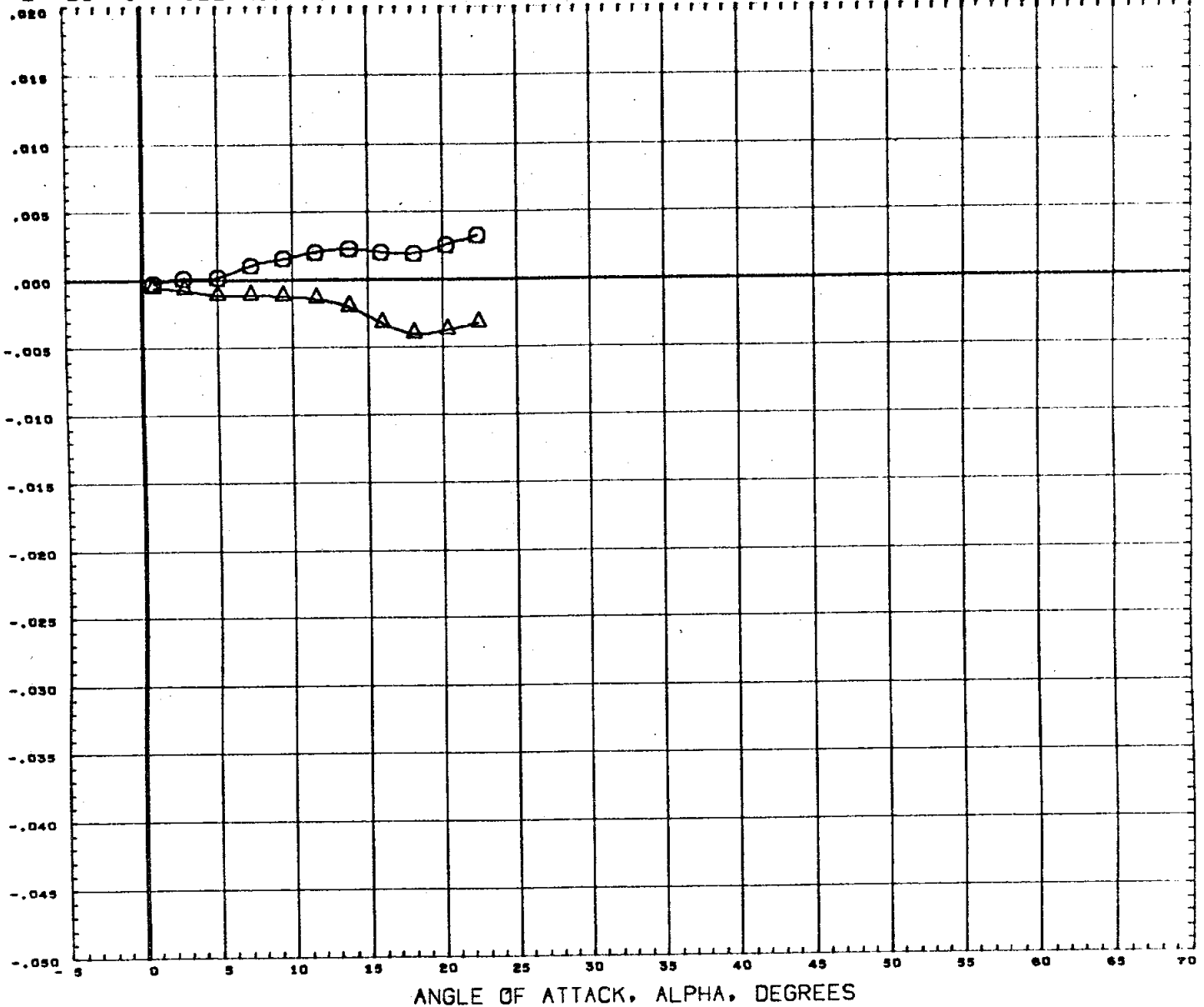
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(A76305)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(A76519)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	10.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 1.20

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EFFECT OF FULL AILERON DEFLECTION WITH BASELINE CONFIGURATION

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)

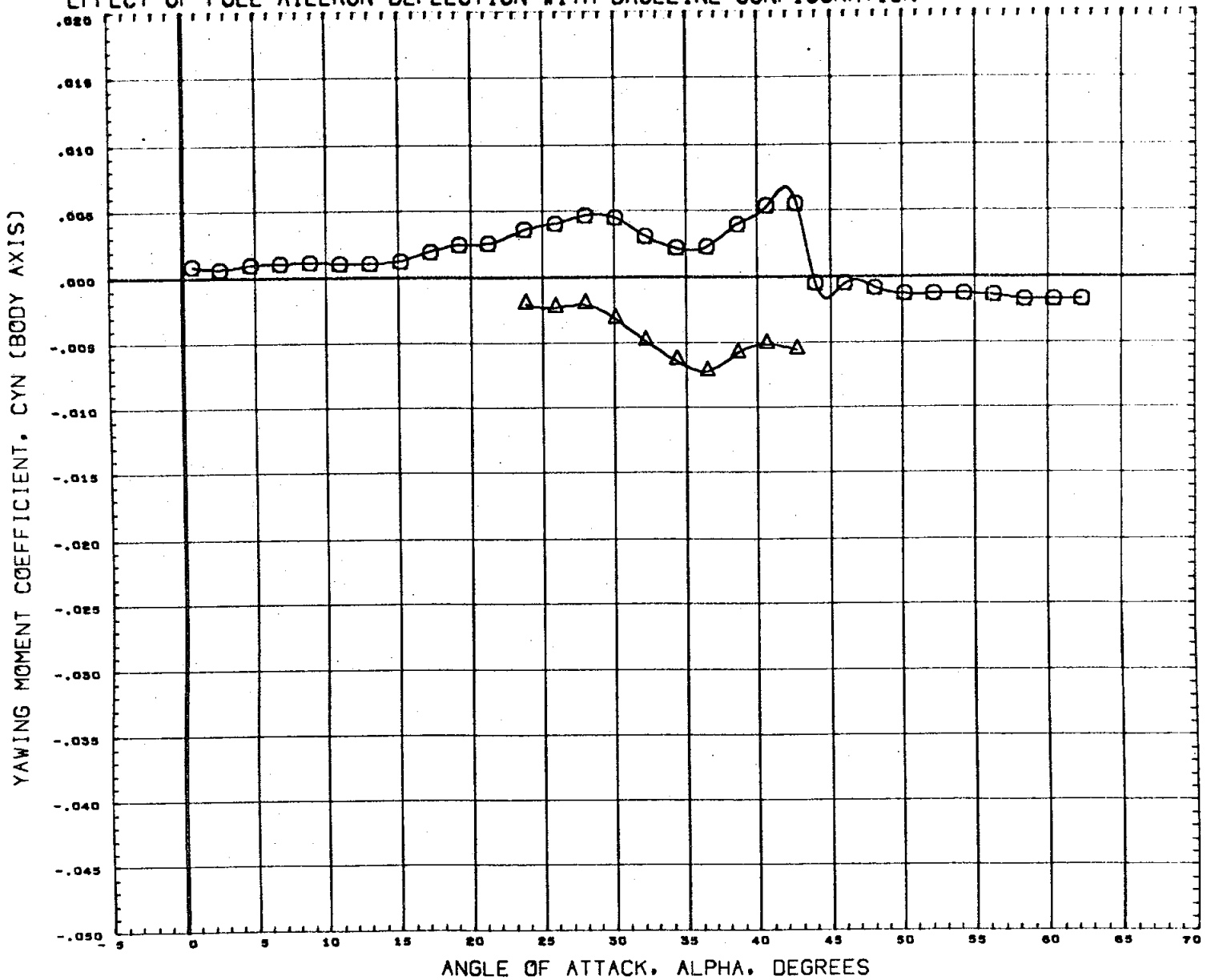


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(A7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(A76519)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	10.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 1.97

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EFFECT OF FULL AILERON DEFLECTION WITH BASELINE CONFIGURATION

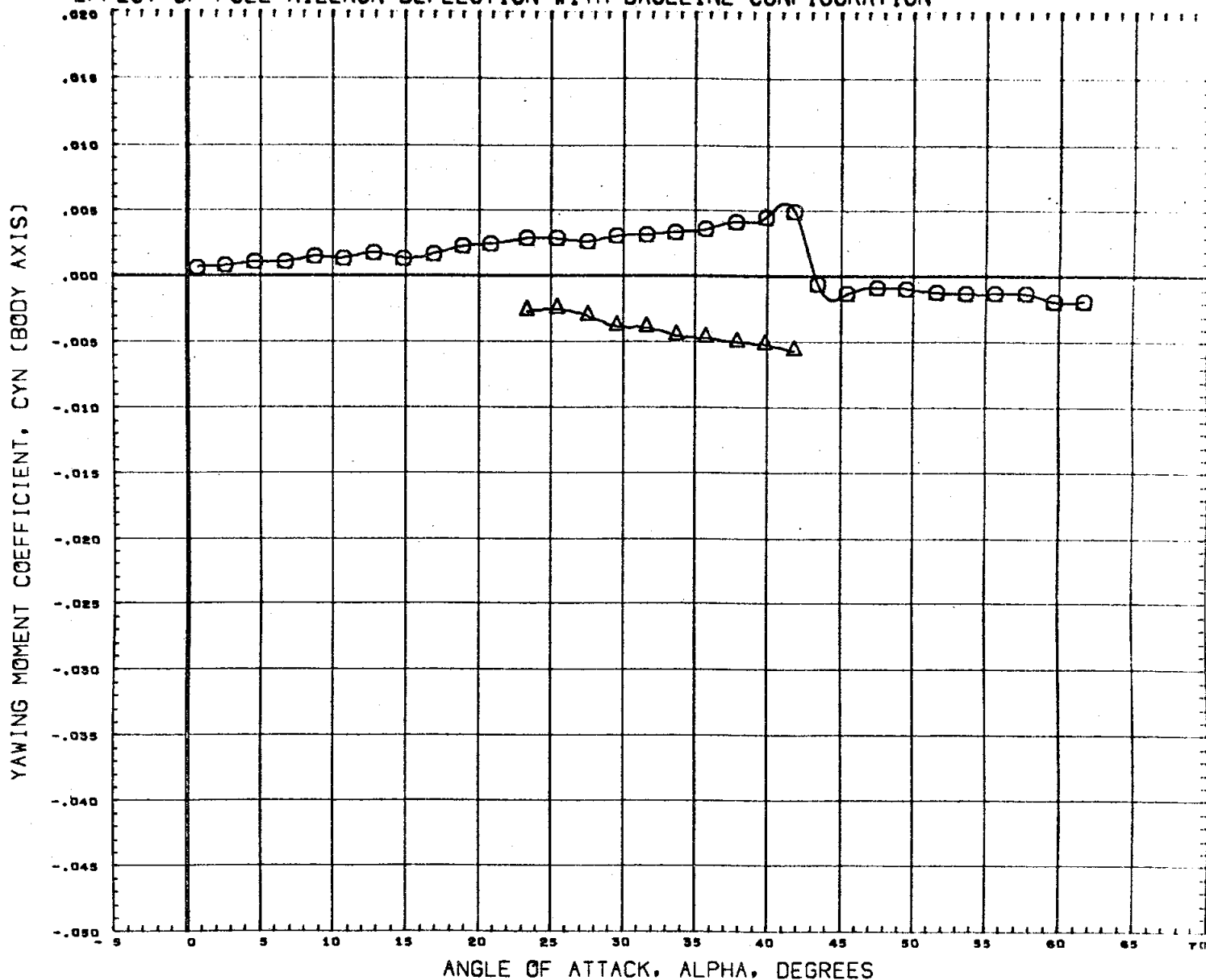


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(A7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(A76519)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	10.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRF	3.4530 IN.
						YMRF	0.0000 IN.
						ZMRF	0.0000 IN.
						SCALE	0.0040

MACH 2.99

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EFFECT OF FULL AILERON DEFLECTION WITH BASELINE CONFIGURATION

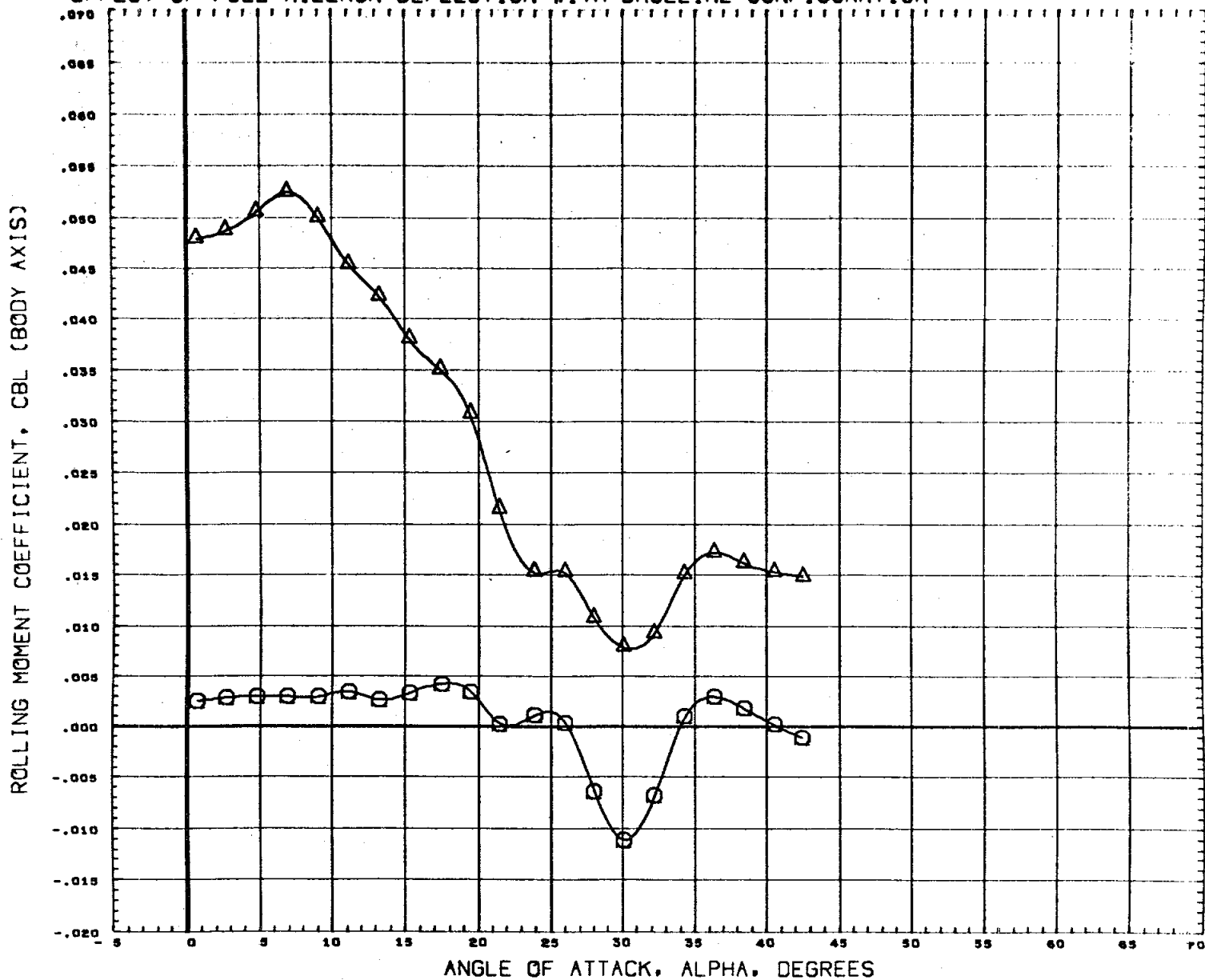


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(A7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(A76319)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	10.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRF	3.4330 IN.
						YMRF	0.0000 IN.
						ZMRF	0.0000 IN.
						SCALE	0.0040

MACH 4.96

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EFFECT OF FULL AILERON DEFLECTION WITH BASELINE CONFIGURATION



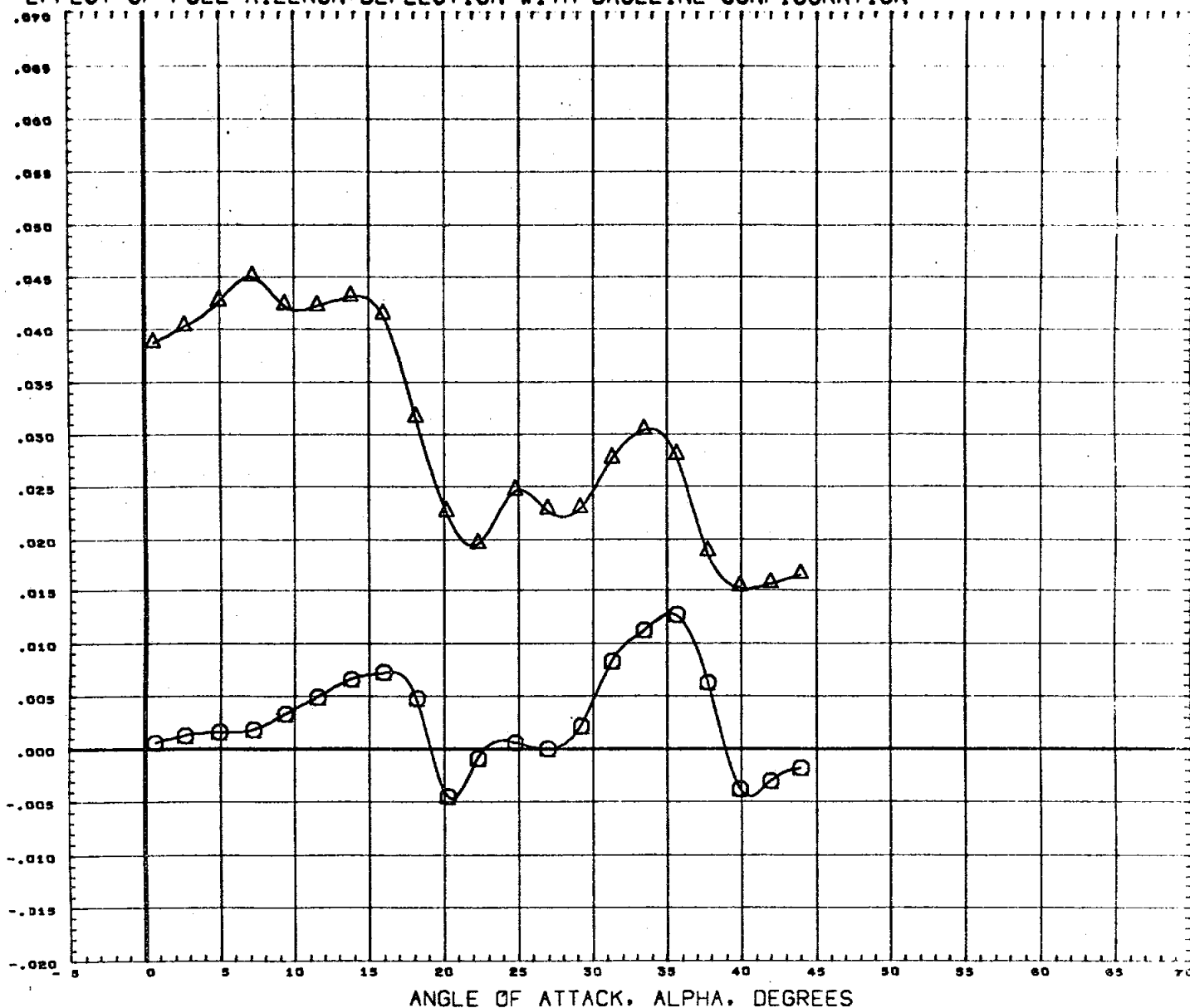
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(A76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(A76519)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	10.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH .59

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EFFECT OF FULL AILERON DEFLECTION WITH BASELINE CONFIGURATION

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)

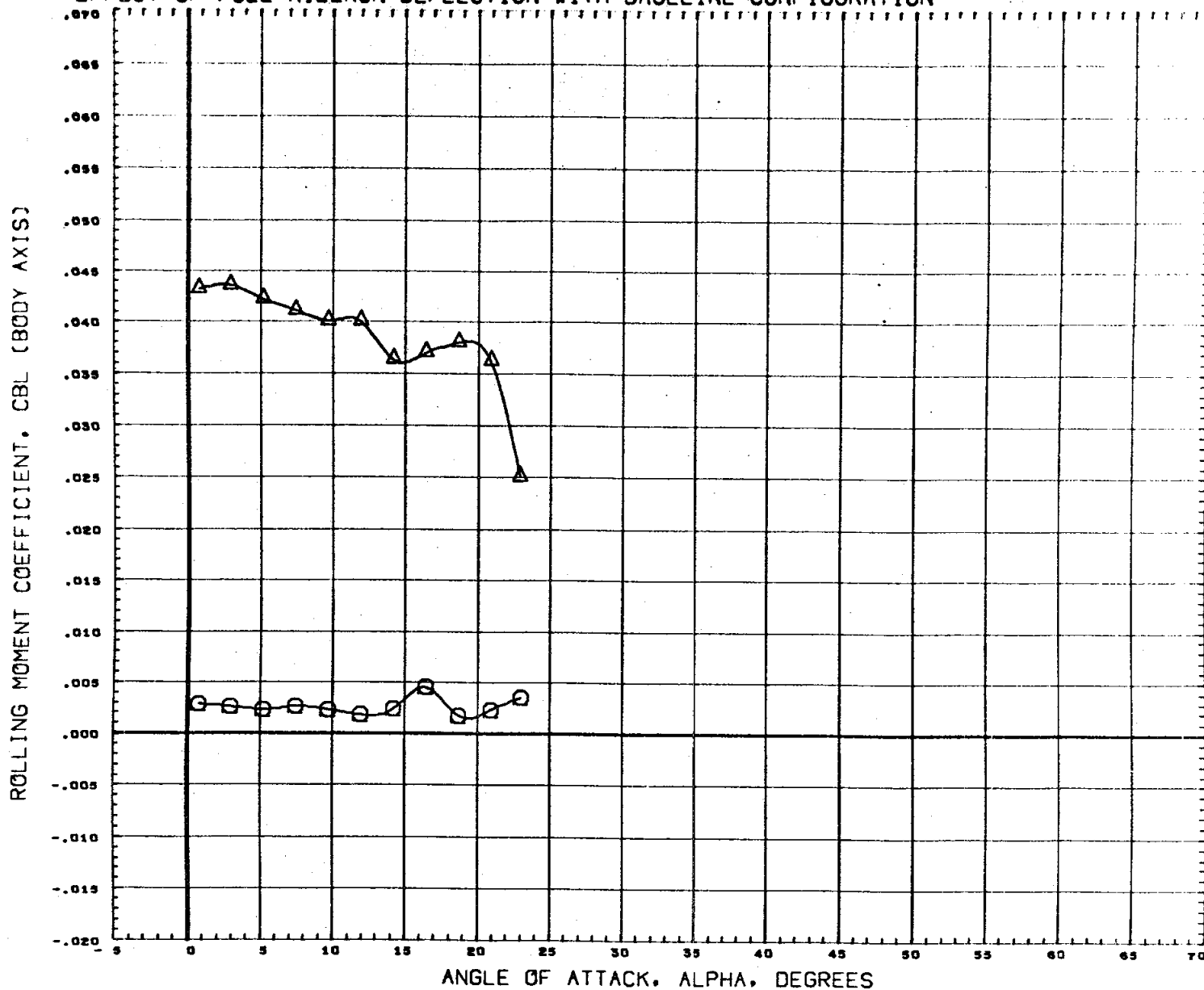


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(A76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(A76519)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	10.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH .90

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EFFECT OF FULL AILERON DEFLECTION WITH BASELINE CONFIGURATION

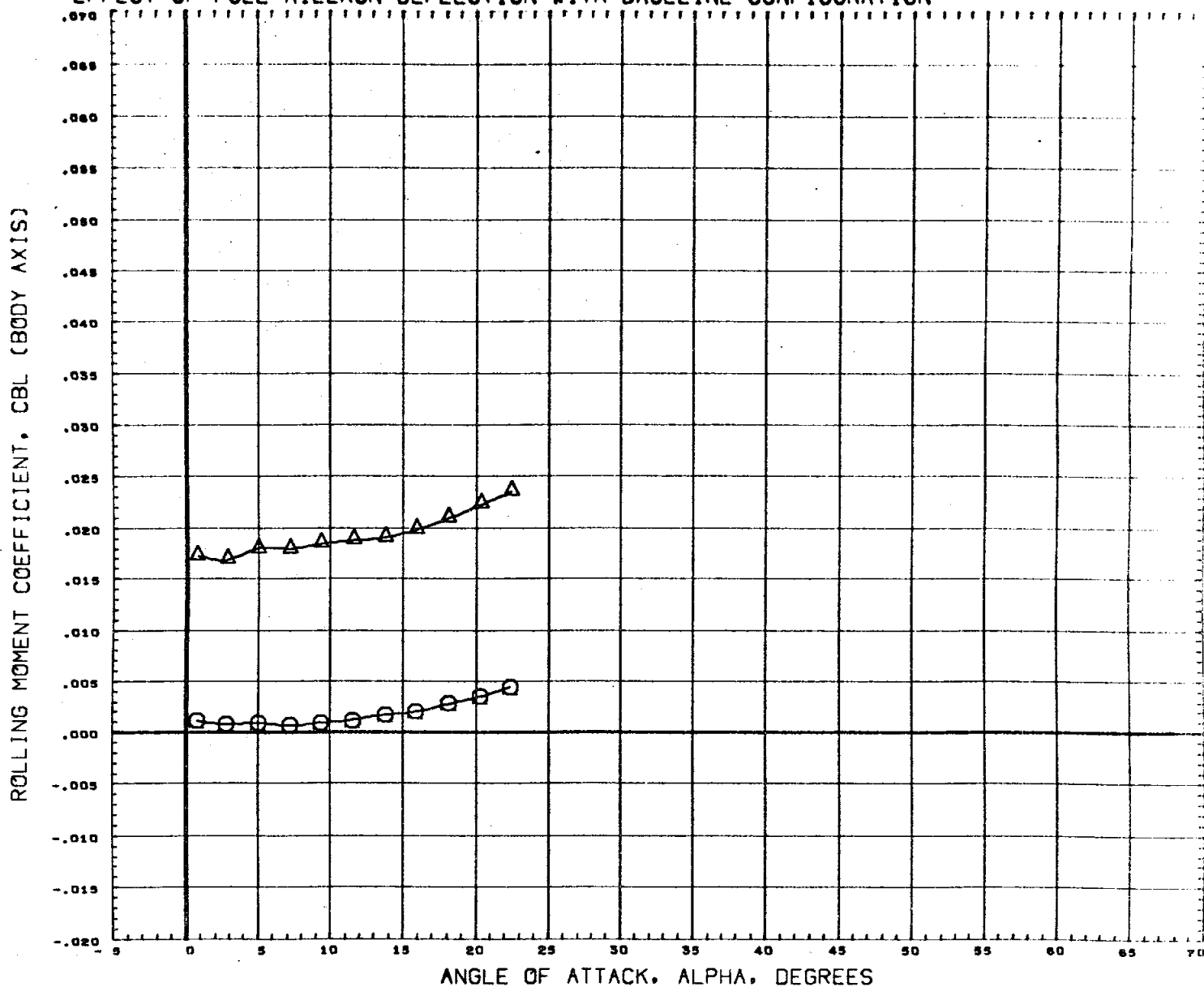


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(A7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1N1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(A76319)	M555 (FA3) NAR ATP ORB (B1C1D1F1N1) (W1E1) (V1K1R1)	0.000	0.000	10.000	10.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 1.20

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EFFECT OF FULL AILERON DEFLECTION WITH BASELINE CONFIGURATION



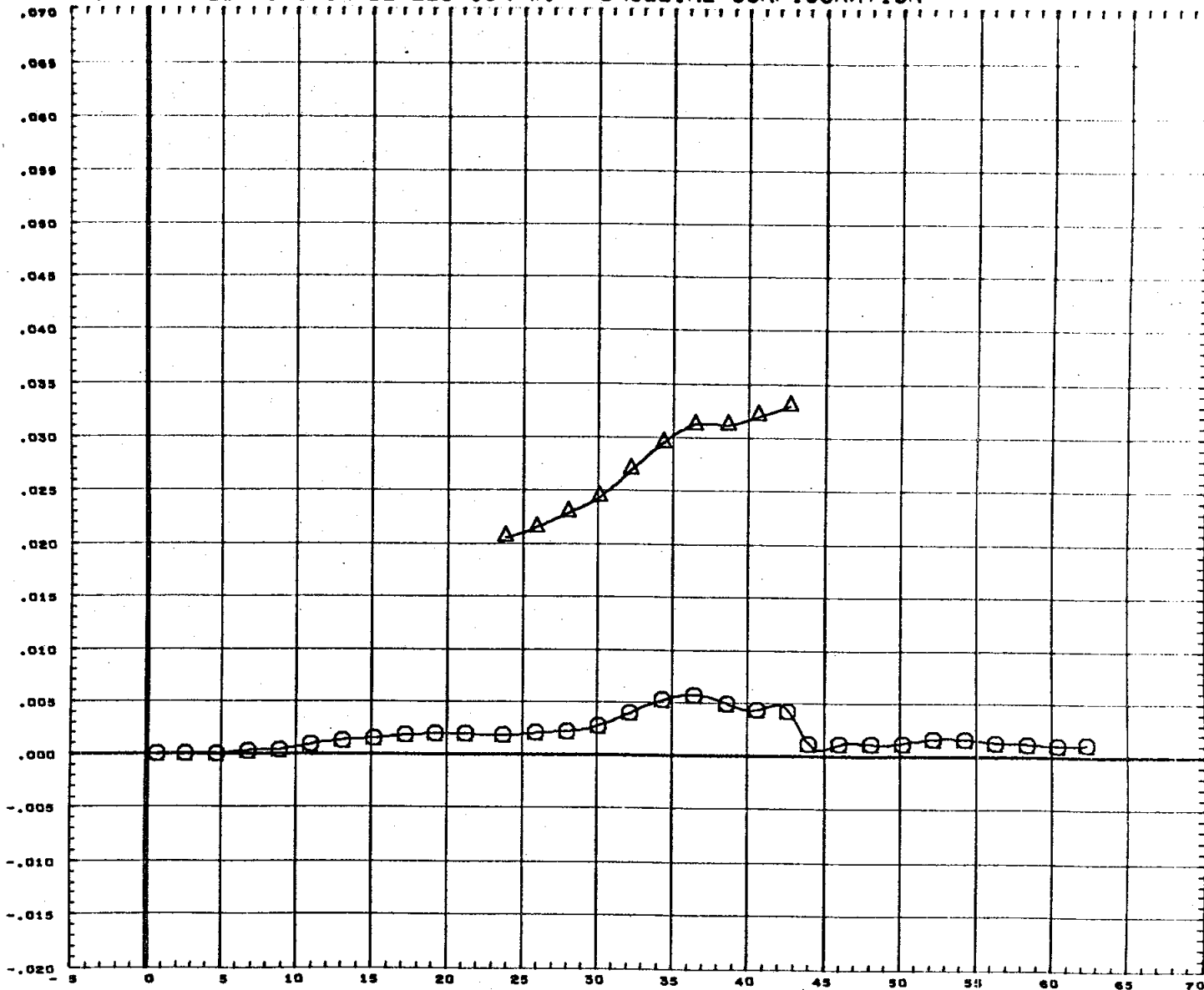
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUOFLR	REFERENCE INFORMATION	
(A7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(A76319)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	10.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4830 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 1.97

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EFFECT OF FULL AILERON DEFLECTION WITH BASELINE CONFIGURATION

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



ANGLE OF ATTACK, ALPHA, DEGREES

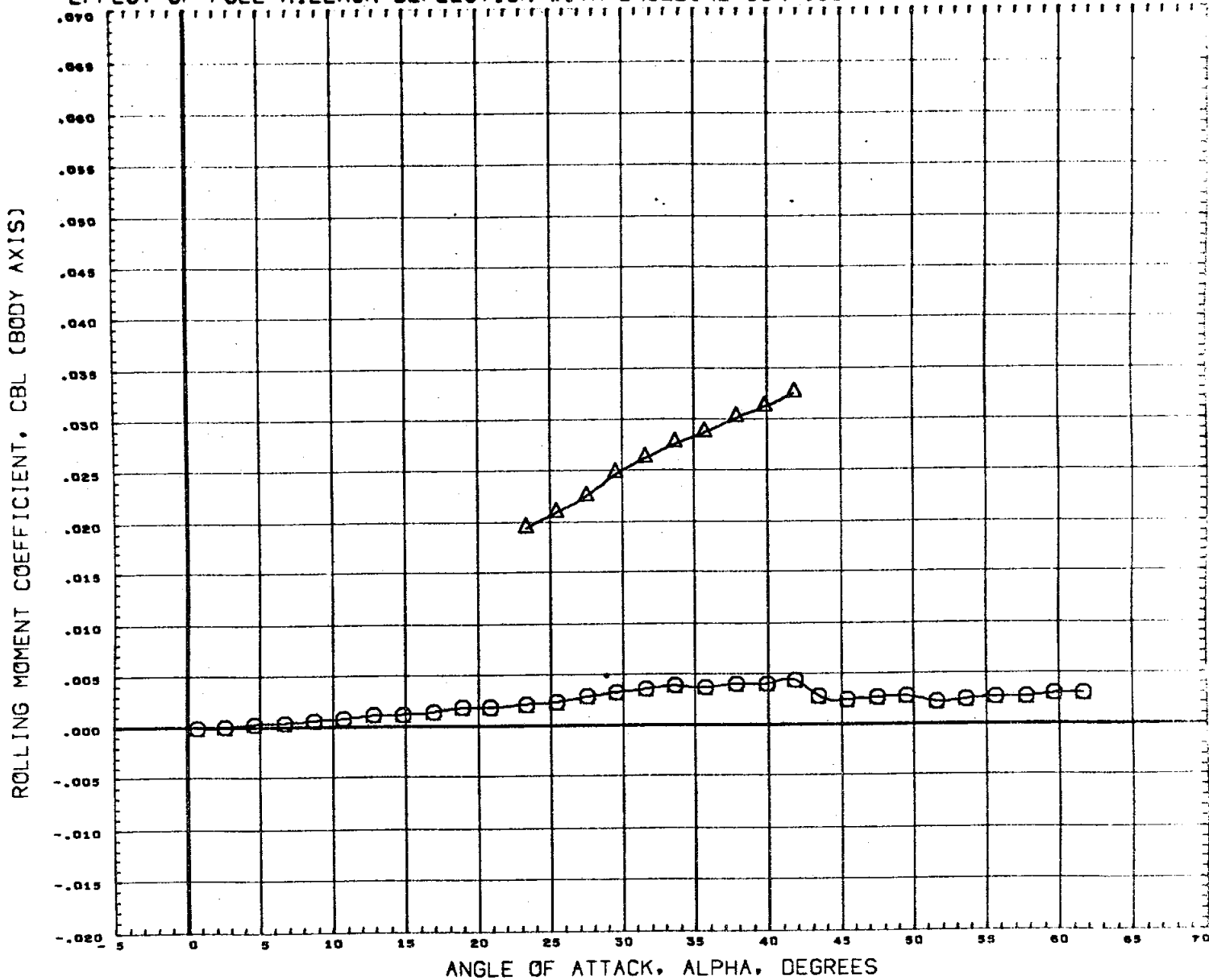
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(A7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(A76319)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	10.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YNRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH

2.99

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EFFECT OF FULL AILERON DEFLECTION WITH BASELINE CONFIGURATION

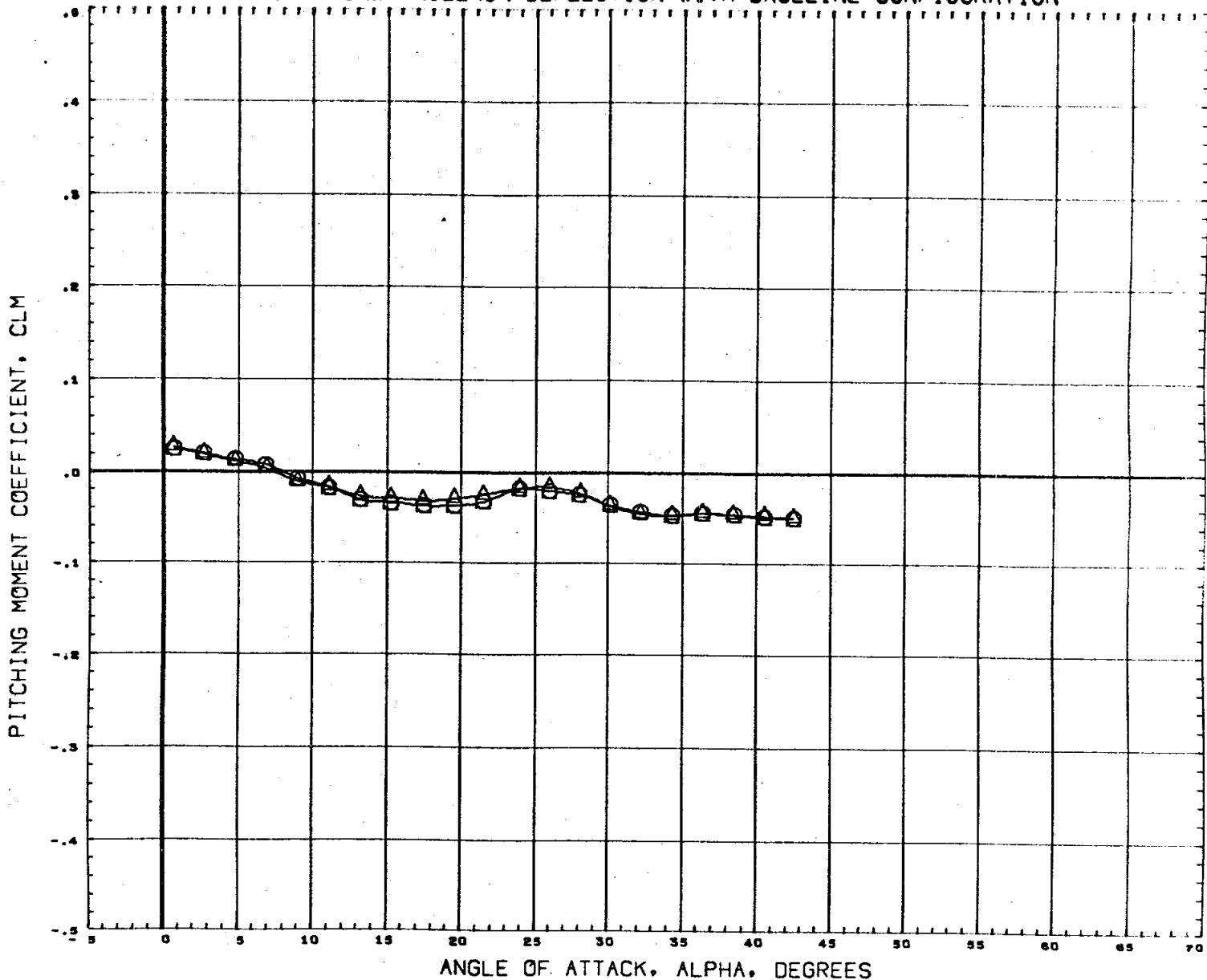


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	AILRON	RUDFLR	REFERENCE INFORMATION	
(A76308)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(A76319)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	10.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4550 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 4.96

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EFFECT OF OUTBOARD ONLY AILERON DEFLECTION WITH BASELINE CONFIGURATION



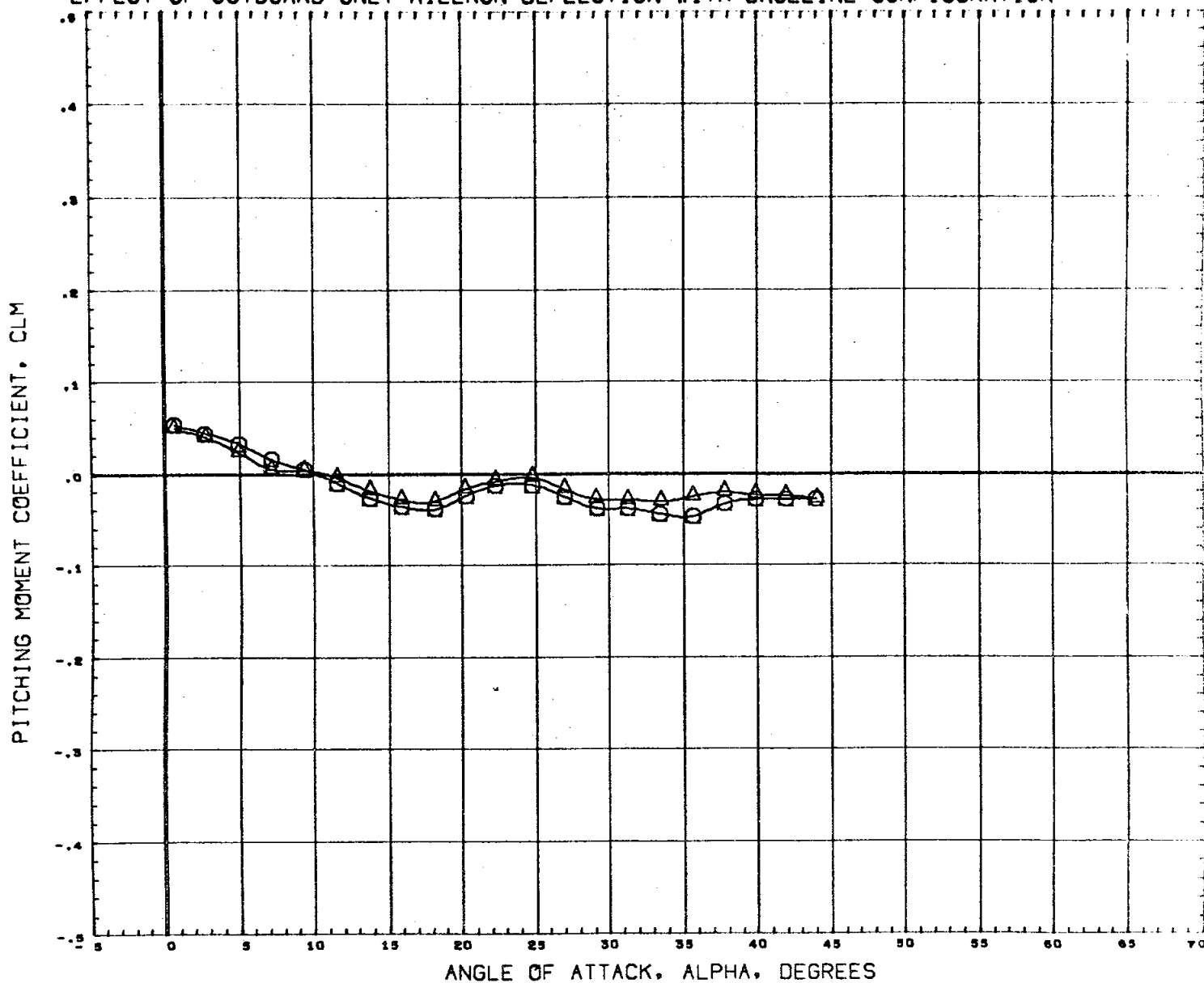
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDAIL	RUDFLR	OBDLV	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(C76321)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	10.000	0.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH

.59

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EFFECT OF OUTBOARD ONLY AILERON DEFLECTION WITH BASELINE CONFIGURATION

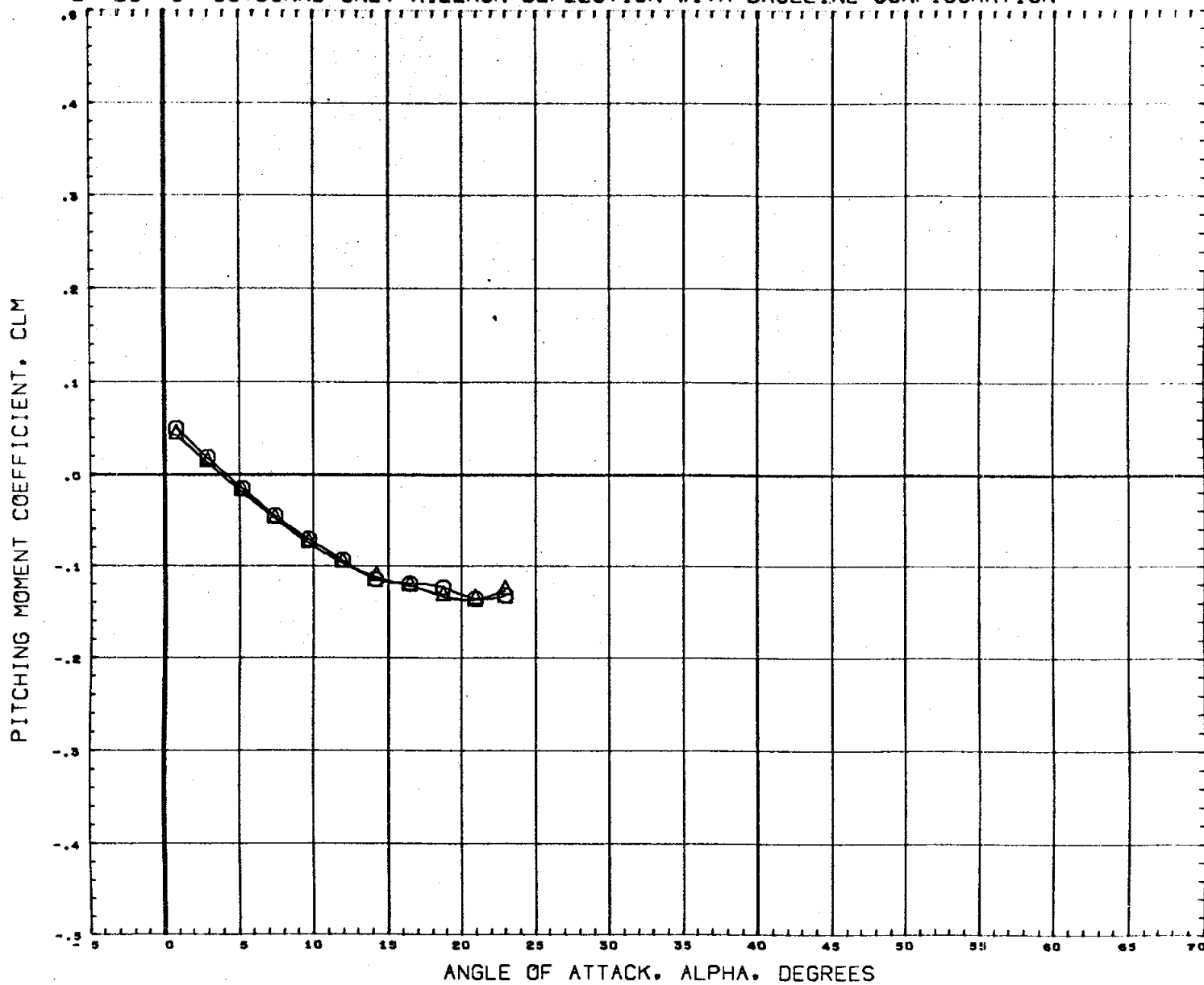


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDAIL	RUDFLR	OBDELV	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(C76321)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	10.000	0.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH .90

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EFFECT OF OUTBOARD ONLY AILERON DEFLECTION WITH BASELINE CONFIGURATION

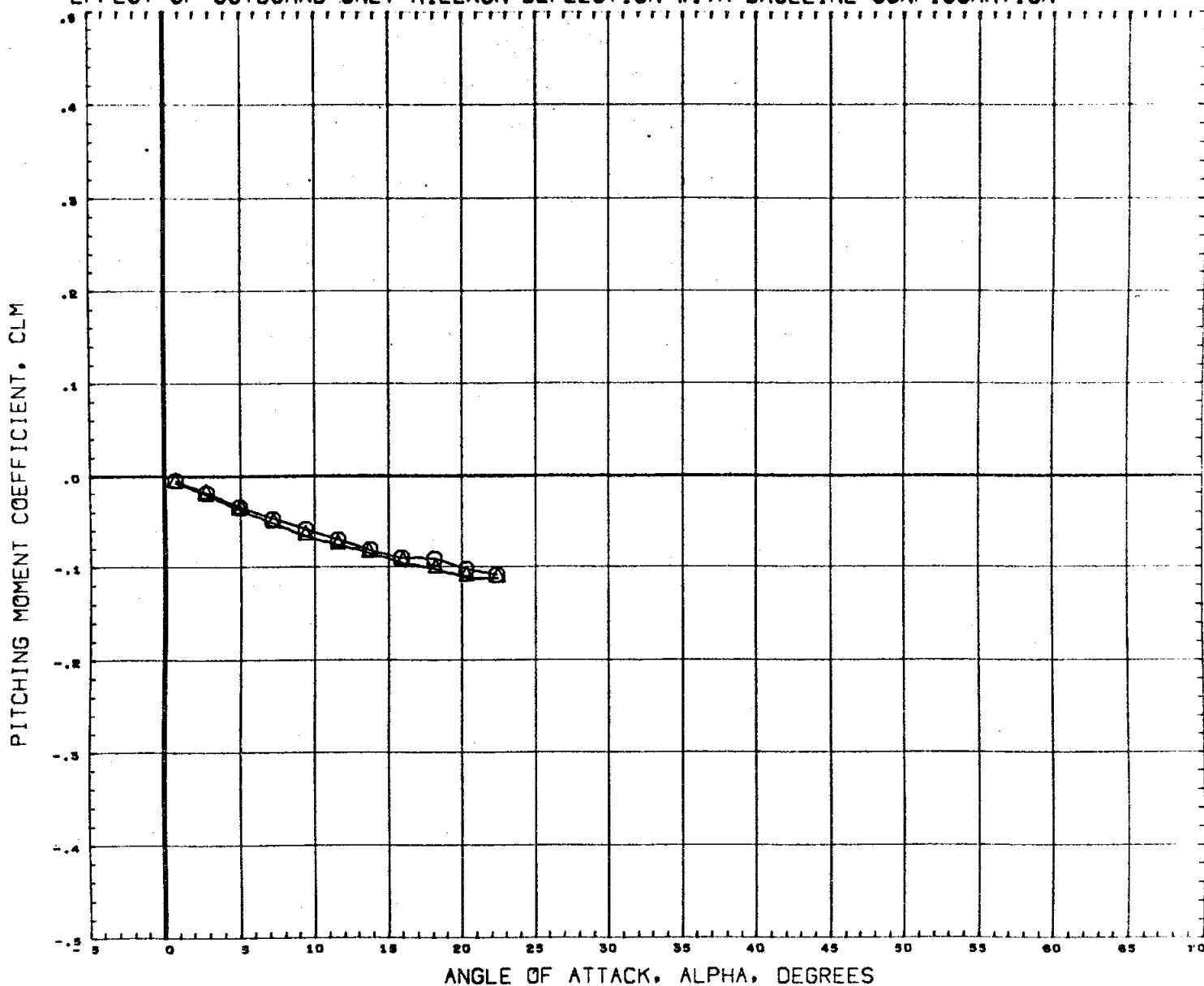


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDAIL	RUDFLR	OBDELV	REFERENCE INFORMATION	
(C76305)	M555(PA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(C76921)	M555(PA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	10.000	0.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4330 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 1.20

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EFFECT OF OUTBOARD ONLY AILERON DEFLECTION WITH BASELINE CONFIGURATION

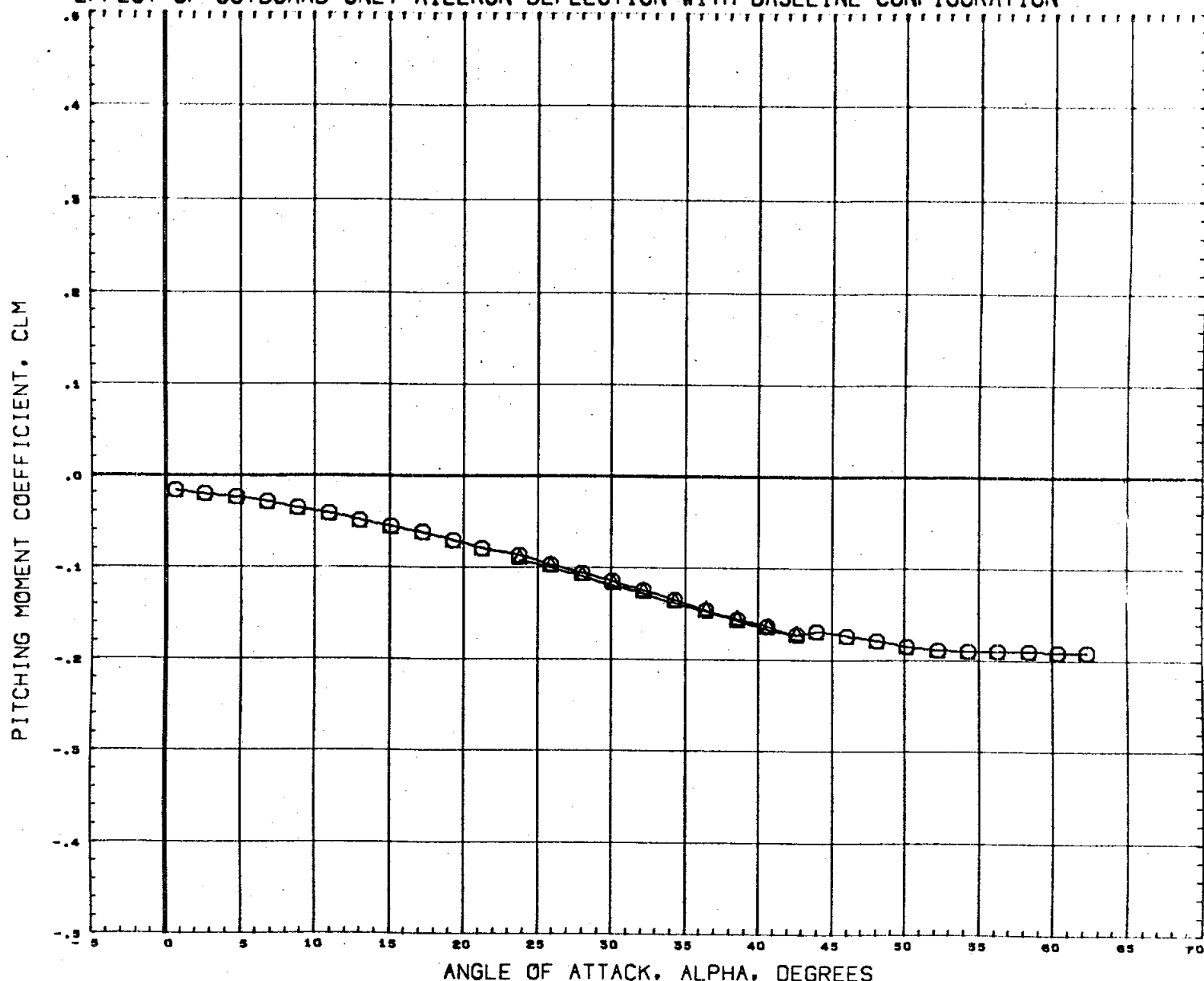


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDAIL	RUDFLR	OBDELV	REFERENCE INFORMATION		
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190	50.1N.
(C76521)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	10.000	0.000	LREF	2.1020	IN.
						BREF	4.0300	IN.
						XMRP	3.4530	IN.
						YMRP	0.0000	IN.
						ZMRP	0.0000	IN.
						SCALE	0.0040	

MACH 1.97

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EFFECT OF OUTBOARD ONLY AILERON DEFLECTION WITH BASELINE CONFIGURATION

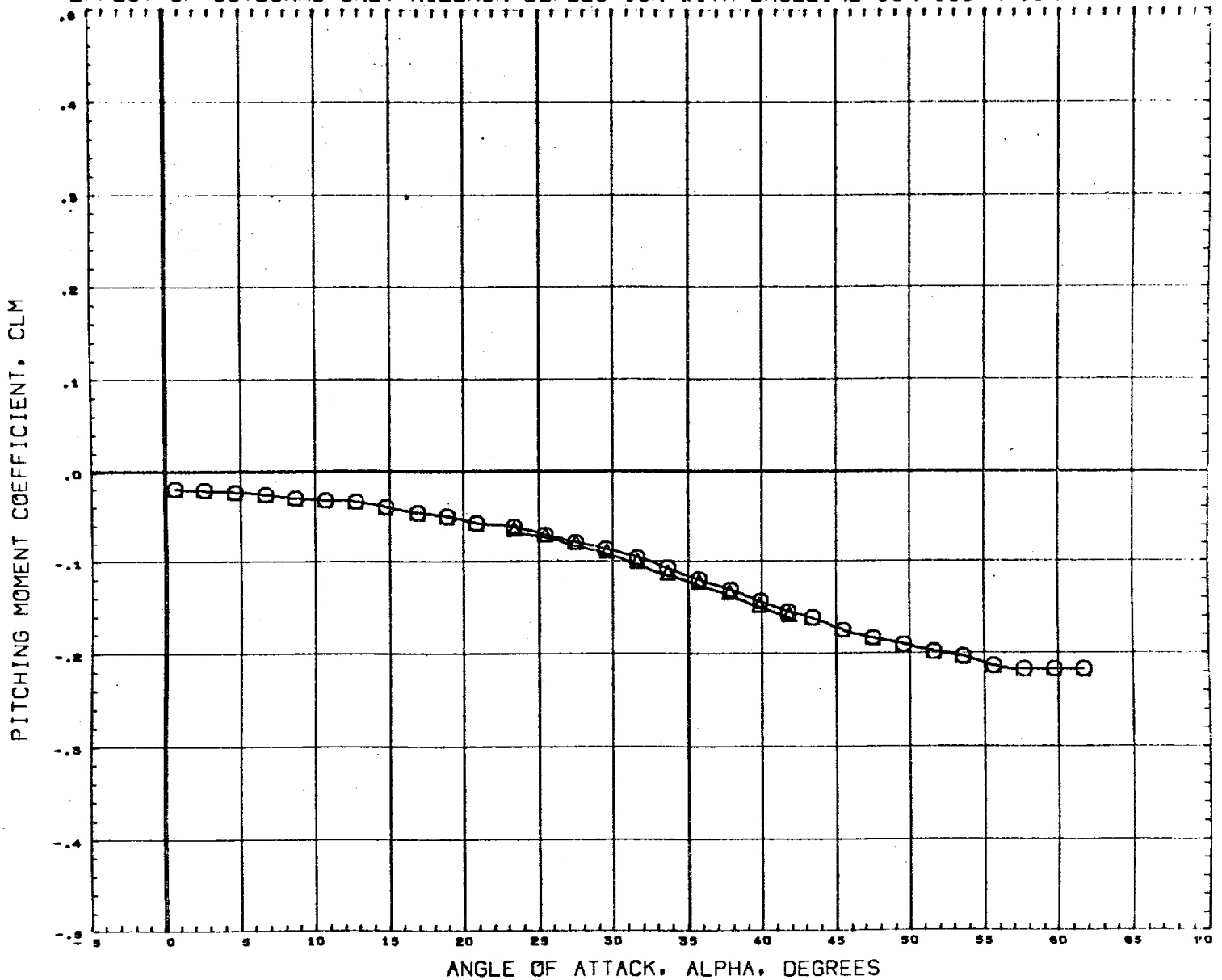


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDAIL	RUDFLR	OBDLV	REFERENCE INFORMATION	
(C76308)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(C76321)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	10.000	0.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 2.99

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EFFECT OF OUTBOARD ONLY AILERON DEFLECTION WITH BASELINE CONFIGURATION

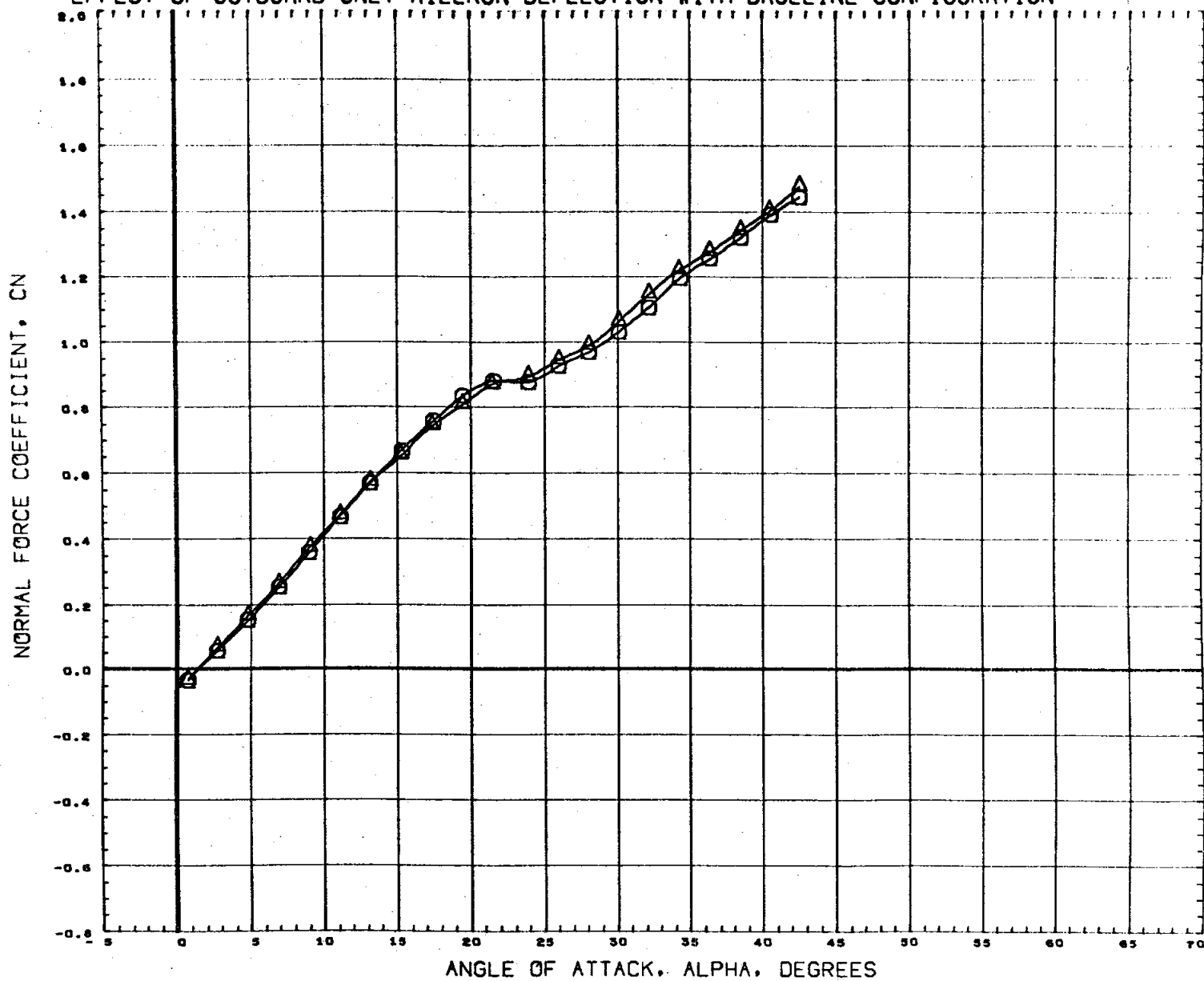


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDAIL	RUDFLR	OBDELV	REFERENCE INFORMATION	
(C76305)	H555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(C76321)	H555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	10.000	0.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRRP	3.4530 IN.
						YMRRP	0.0000 IN.
						ZMRRP	0.0000 IN.
						SCALE	0.0040

MACH 4.96

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EFFECT OF OUTBOARD ONLY AILERON DEFLECTION WITH BASELINE CONFIGURATION

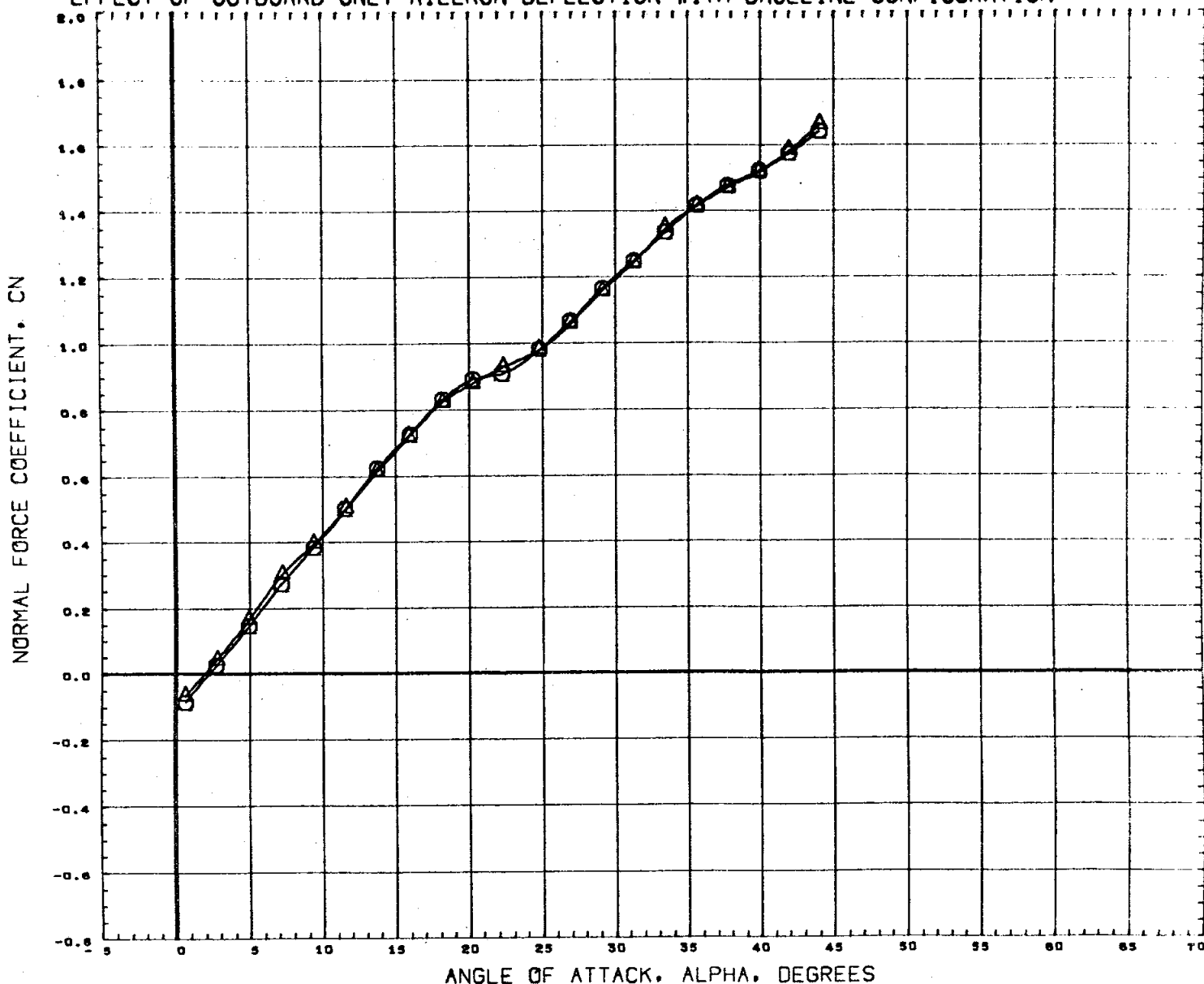


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDAIL	RUDFLR	OBDLV	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(C76321)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	10.000	0.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4536 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH .59

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EFFECT OF OUTBOARD ONLY AILERON DEFLECTION WITH BASELINE CONFIGURATION

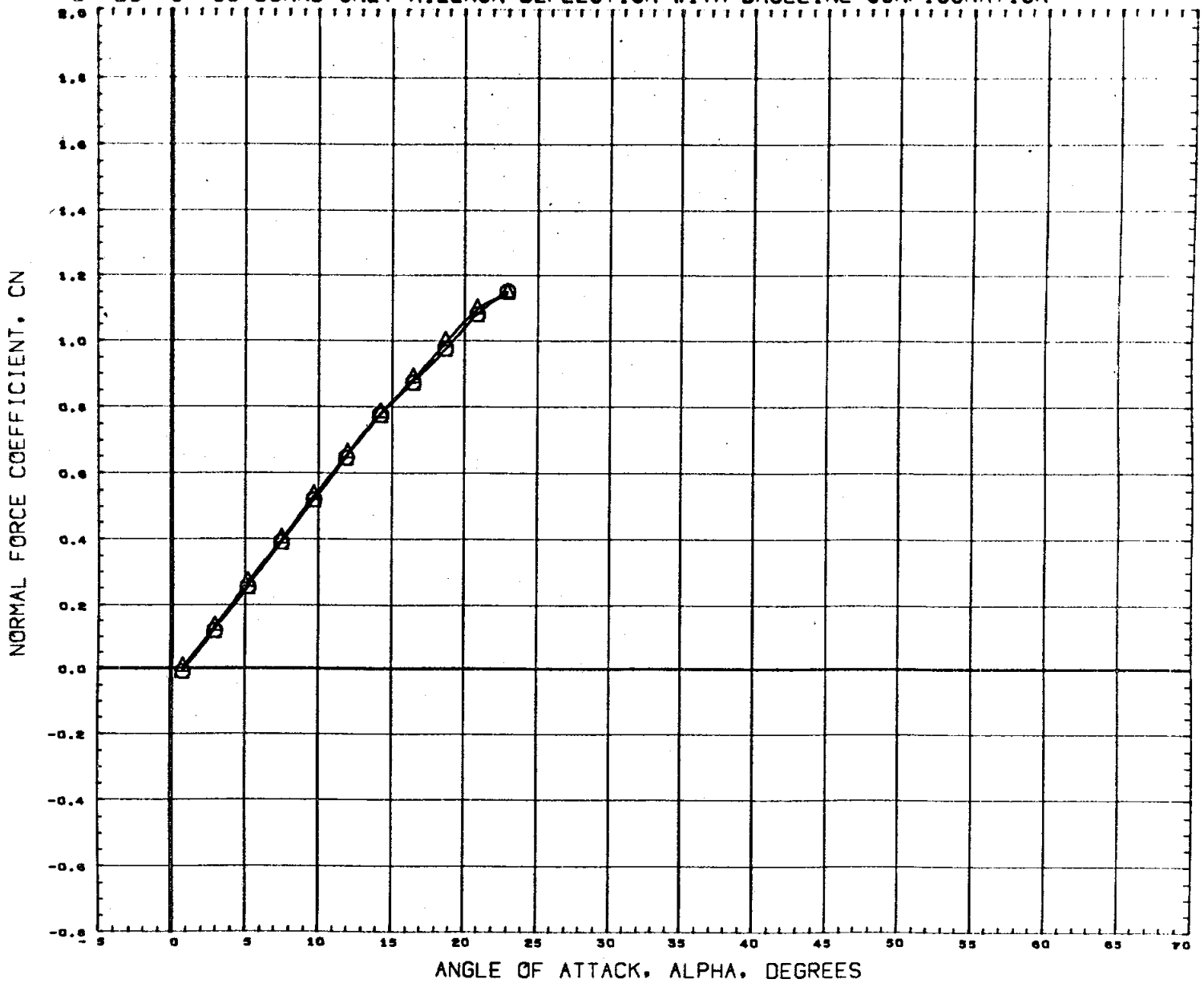


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDAIL	RUDFLR	OBDELV	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(C76521)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	10.000	0.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH .90

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EFFECT OF OUTBOARD ONLY AILERON DEFLECTION WITH BASELINE CONFIGURATION

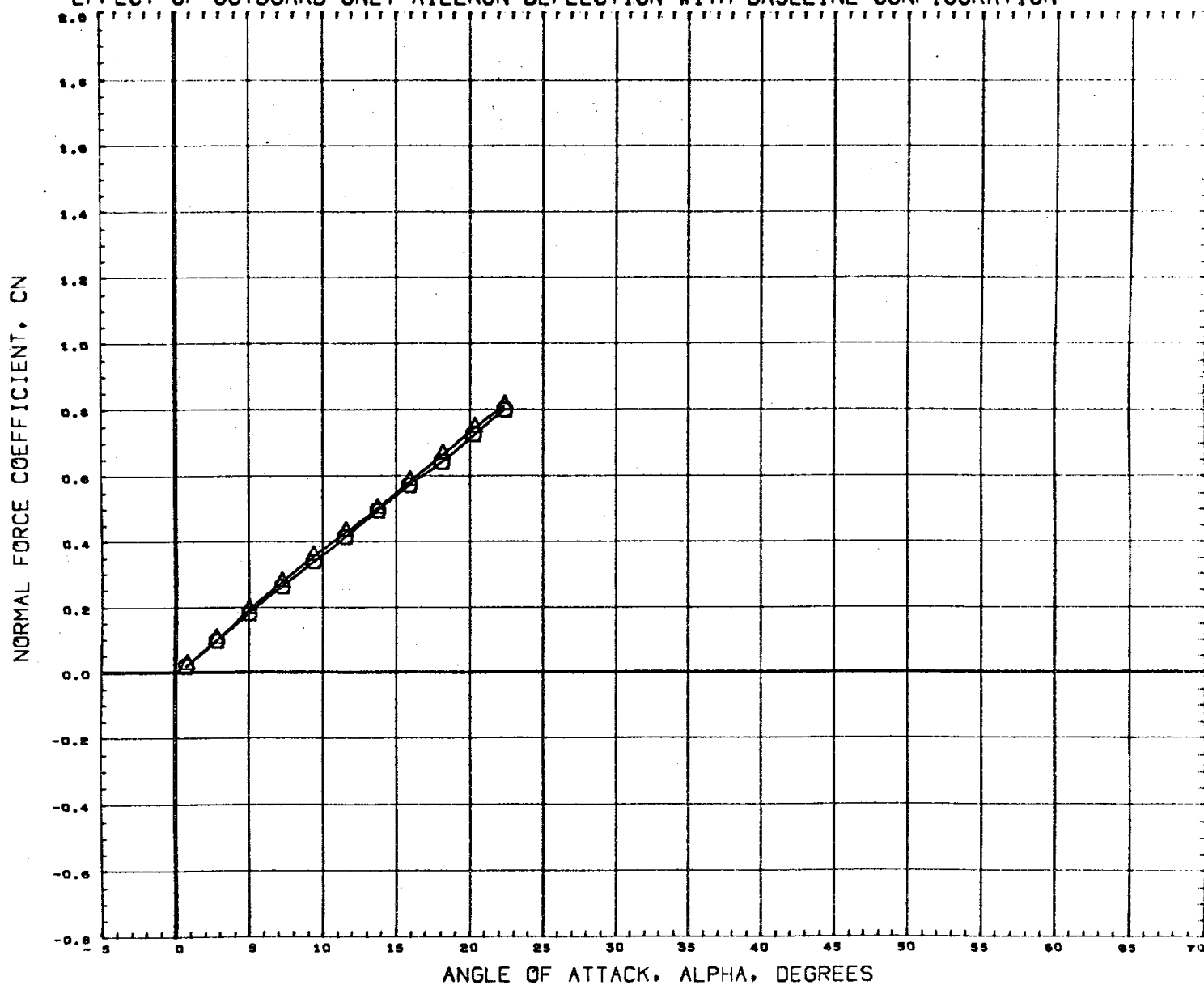


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDAIL	RUDFLR	OBDELV	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(C76321)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	10.000	0.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4330 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 1.20

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EFFECT OF OUTBOARD ONLY AILERON DEFLECTION WITH BASELINE CONFIGURATION

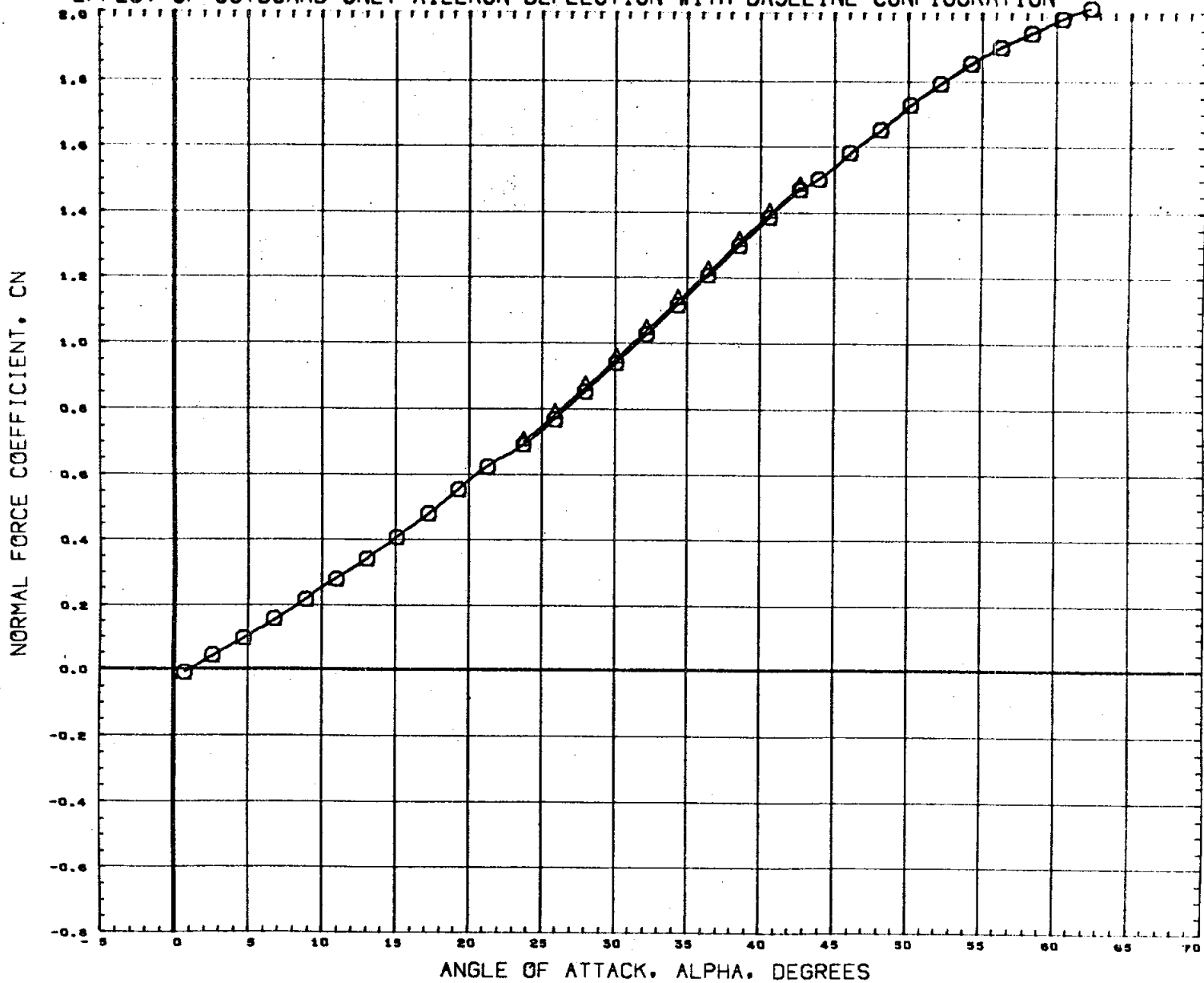


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDAIL	RUDFLR	OBDLY	REFERENCE INFORMATION	
(C76305)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(C76521)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	10.000	0.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 1.97

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EFFECT OF OUTBOARD ONLY AILERON DEFLECTION WITH BASELINE CONFIGURATION

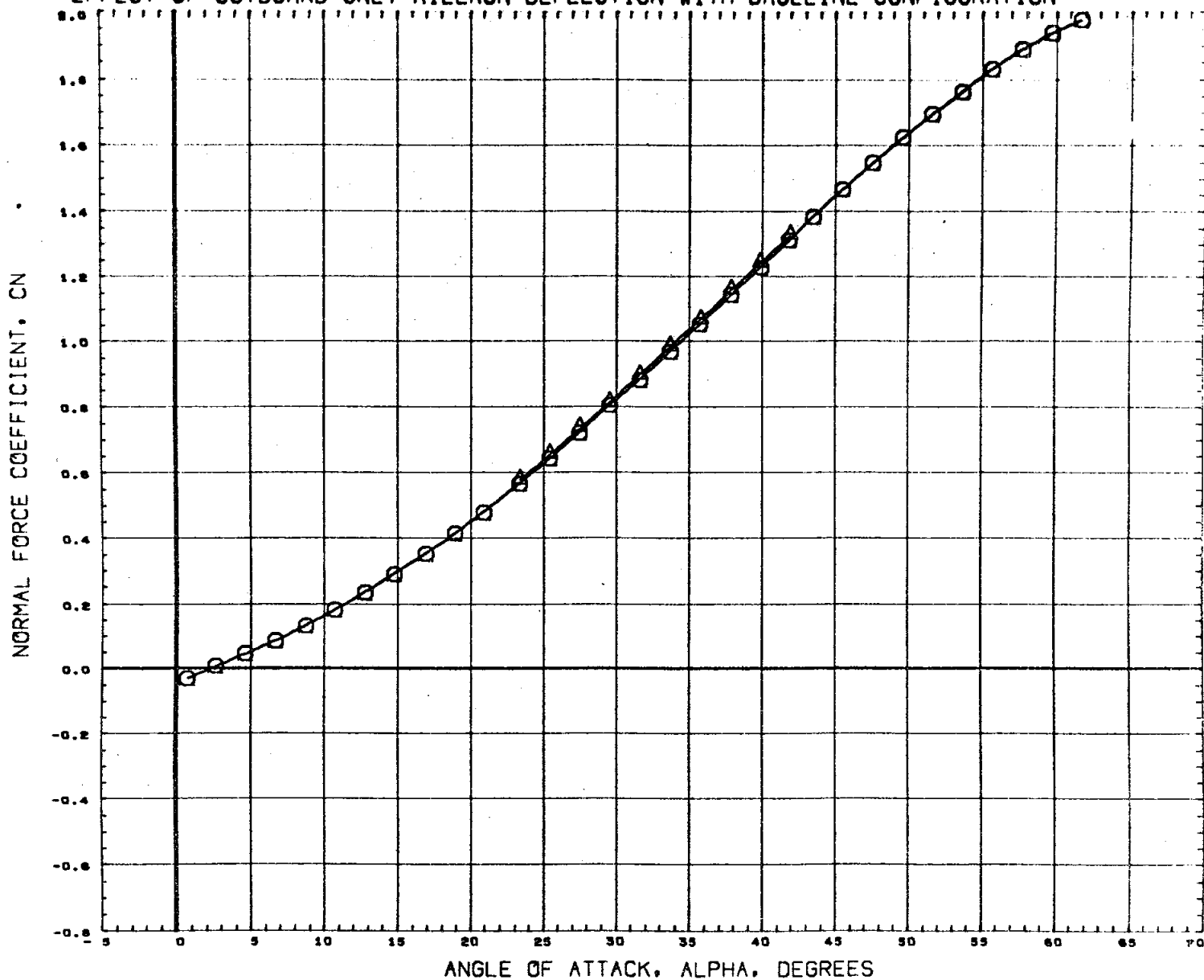


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDAIL	RUDFLR	OBDLV	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(C76321)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	10.000	0.000	LREF	2.1020 IN.
						SREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 2.99

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EFFECT OF OUTBOARD ONLY AILERON DEFLECTION WITH BASELINE CONFIGURATION

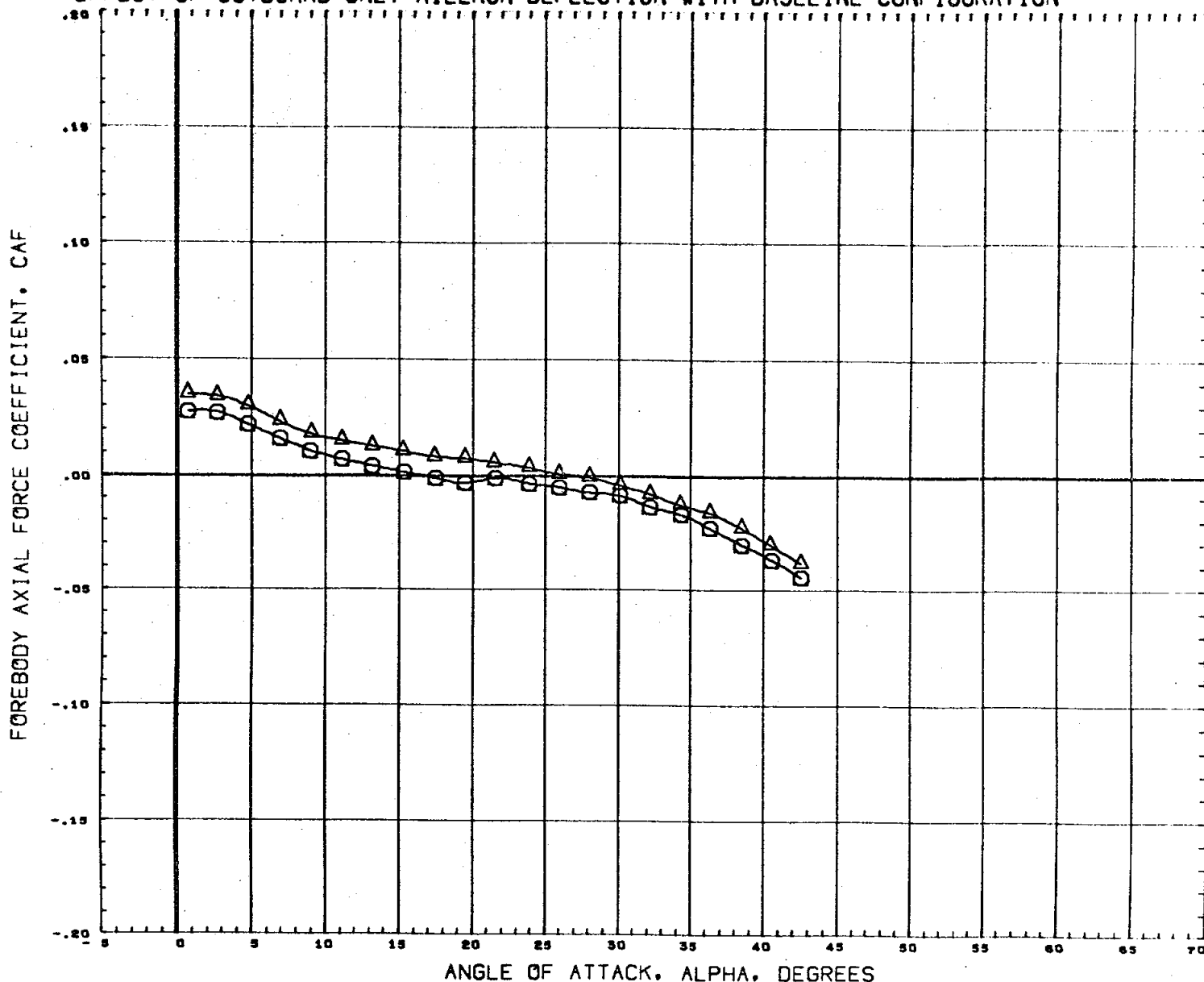


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDAIL	RUDFLR	OBDLV	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190 30. IN.
(C76321)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	10.000	0.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 4.96

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EFFECT OF OUTBOARD ONLY AILERON DEFLECTION WITH BASELINE CONFIGURATION

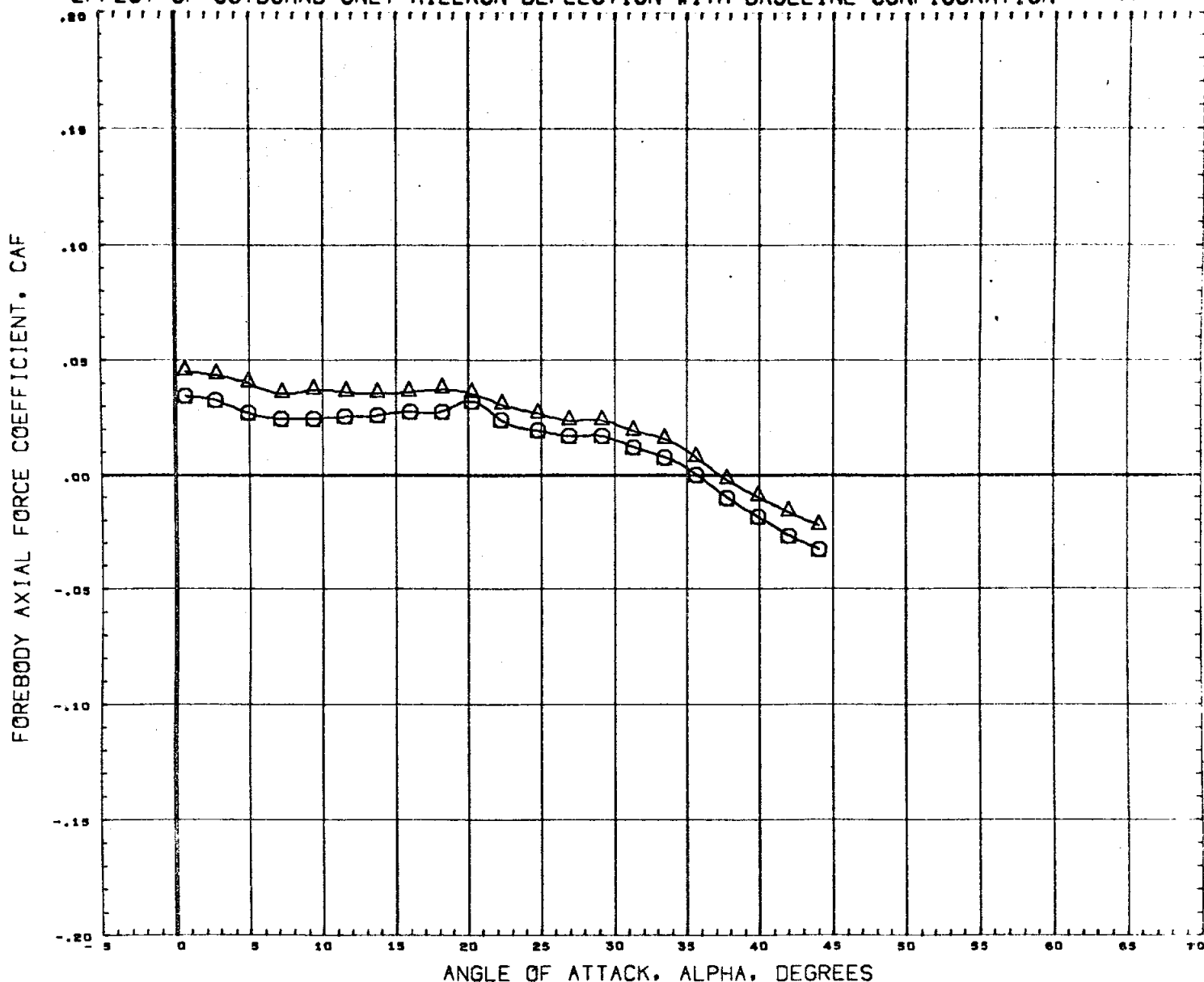


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDAIL	RUDFLR	OBDLV	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(C76321)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	10.000	0.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4330 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH .59

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EFFECT OF OUTBOARD ONLY AILERON DEFLECTION WITH BASELINE CONFIGURATION

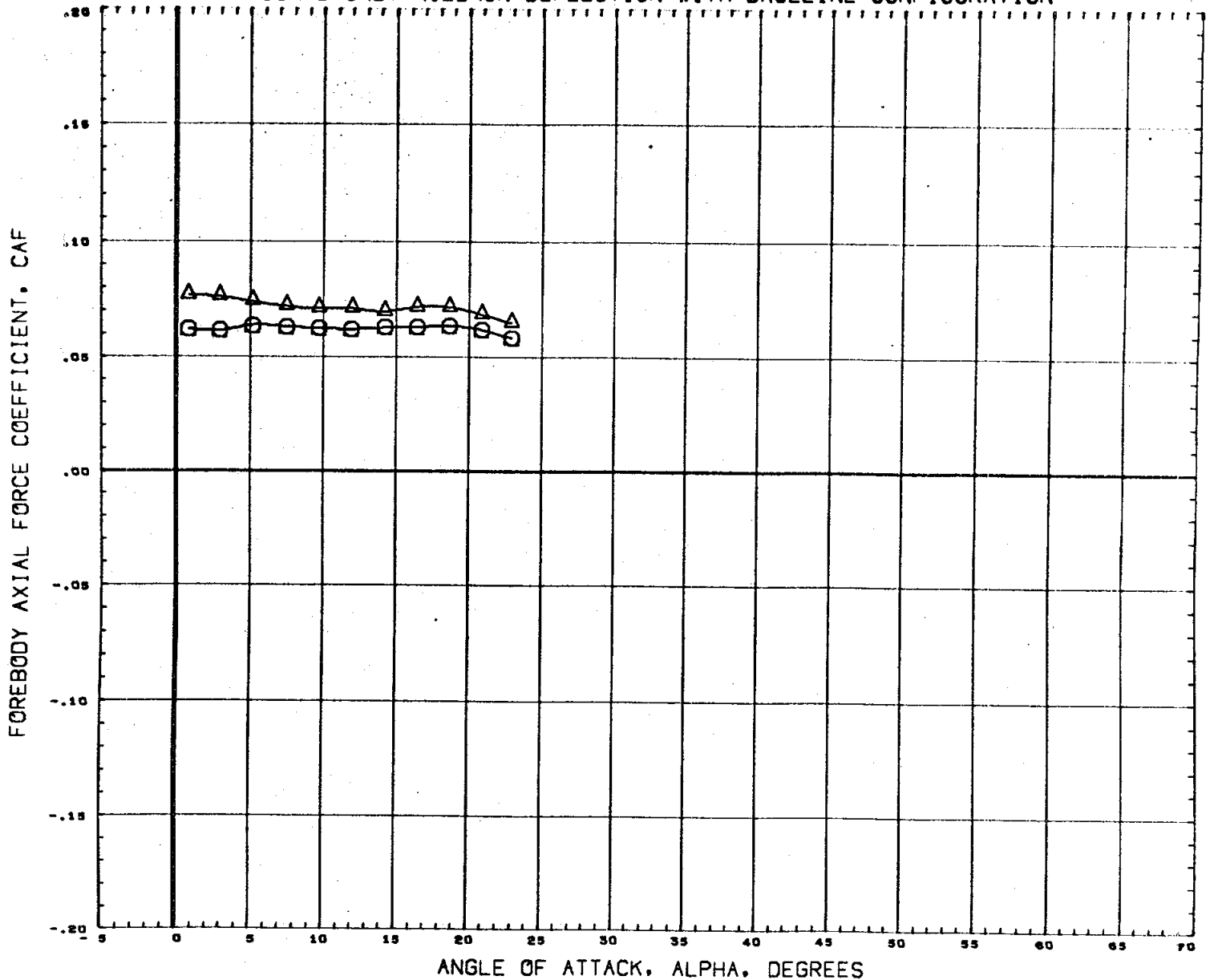


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDAIL	RUDFLR	OBDELV	REFERENCE INFORMATION		
(C76309)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190	50.1N.
(C76321)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	10.000	0.000	LREF	2.1020	IN.
						BREF	4.0300	IN.
						XMRP	3.4530	IN.
						YMRP	0.0000	IN.
						ZMRP	0.0000	IN.
						SCALE	0.0040	

MACH .90

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EFFECT OF OUTBOARD ONLY AILERON DEFLECTION WITH BASELINE CONFIGURATION

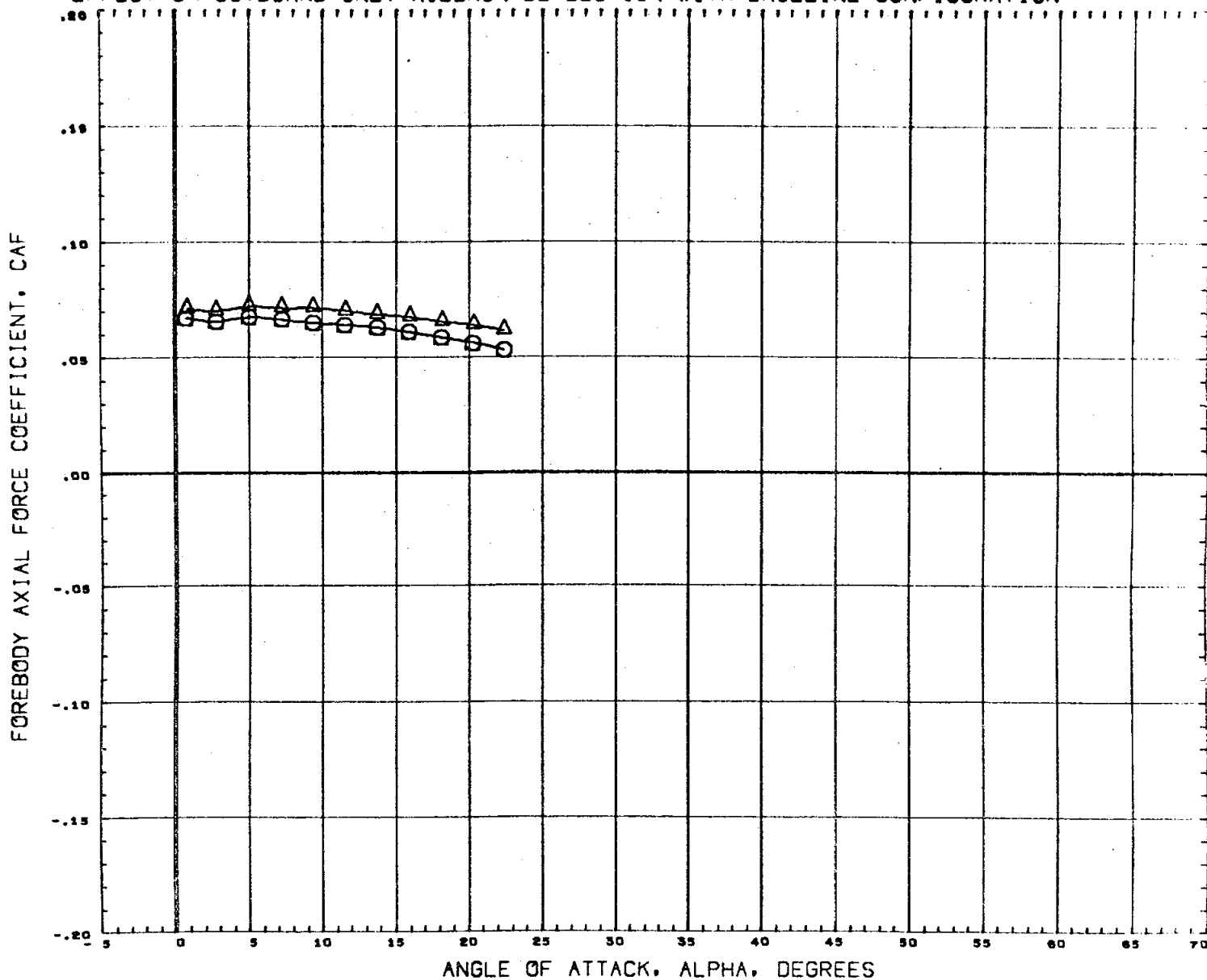


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDAIL	RUDFLR	OBDLV	REFERENCE INFORMATION	
(C76305)	M555 (PA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(C76521)	M555 (PA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	10.000	0.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 1.20

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EFFECT OF OUTBOARD ONLY AILERON DEFLECTION WITH BASELINE CONFIGURATION

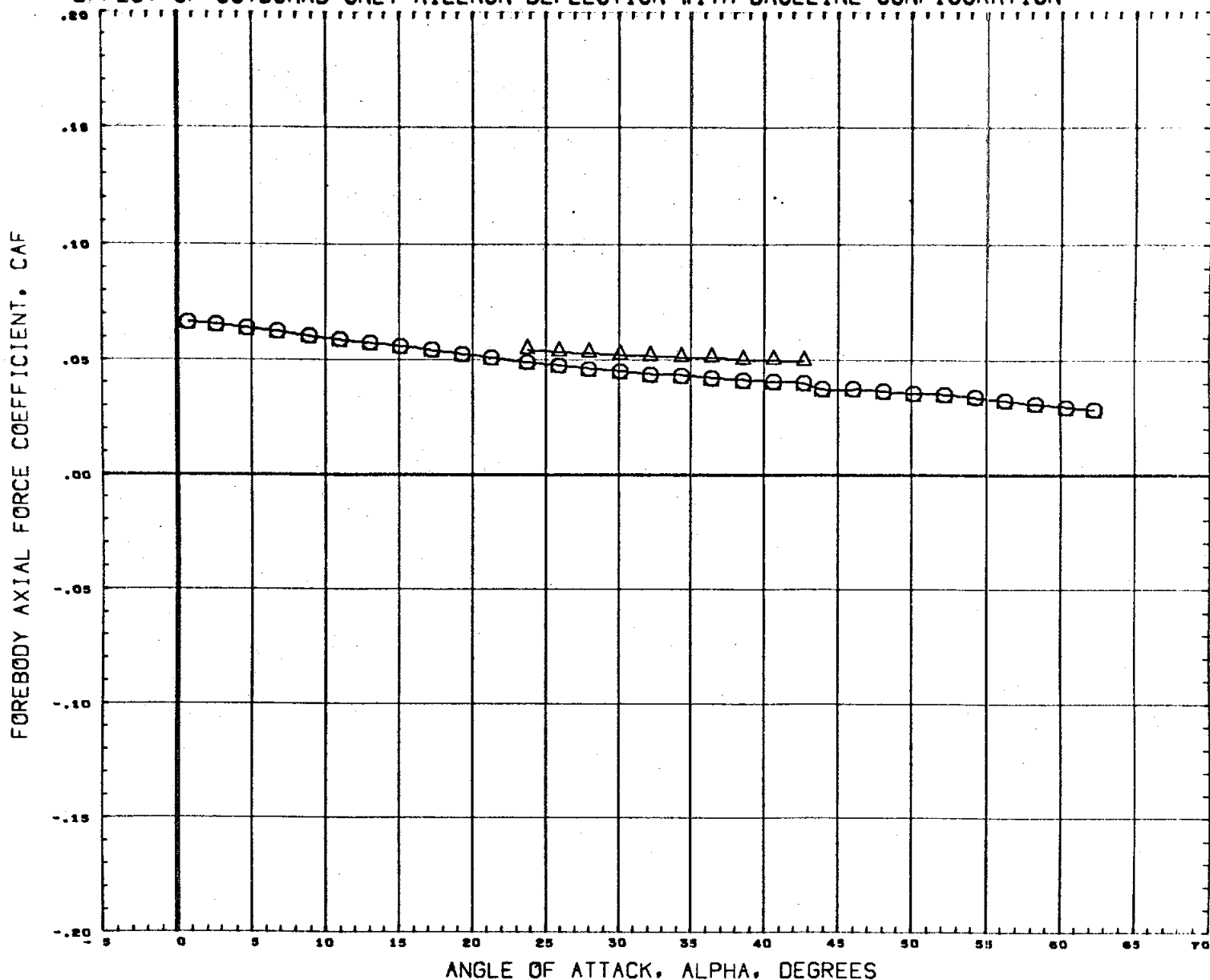


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDAIL	RUDFLR	OBDLV	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190 sq. in.
(C76321)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	10.000	0.000	LREF	2.1020 in.
						BREF	4.0300 in.
						XMRP	3.4530 in.
						YMRP	0.0000 in.
						ZMRP	0.0000 in.
						SCALE	0.0040

MACH 1.97

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EFFECT OF OUTBOARD ONLY AILERON DEFLECTION WITH BASELINE CONFIGURATION

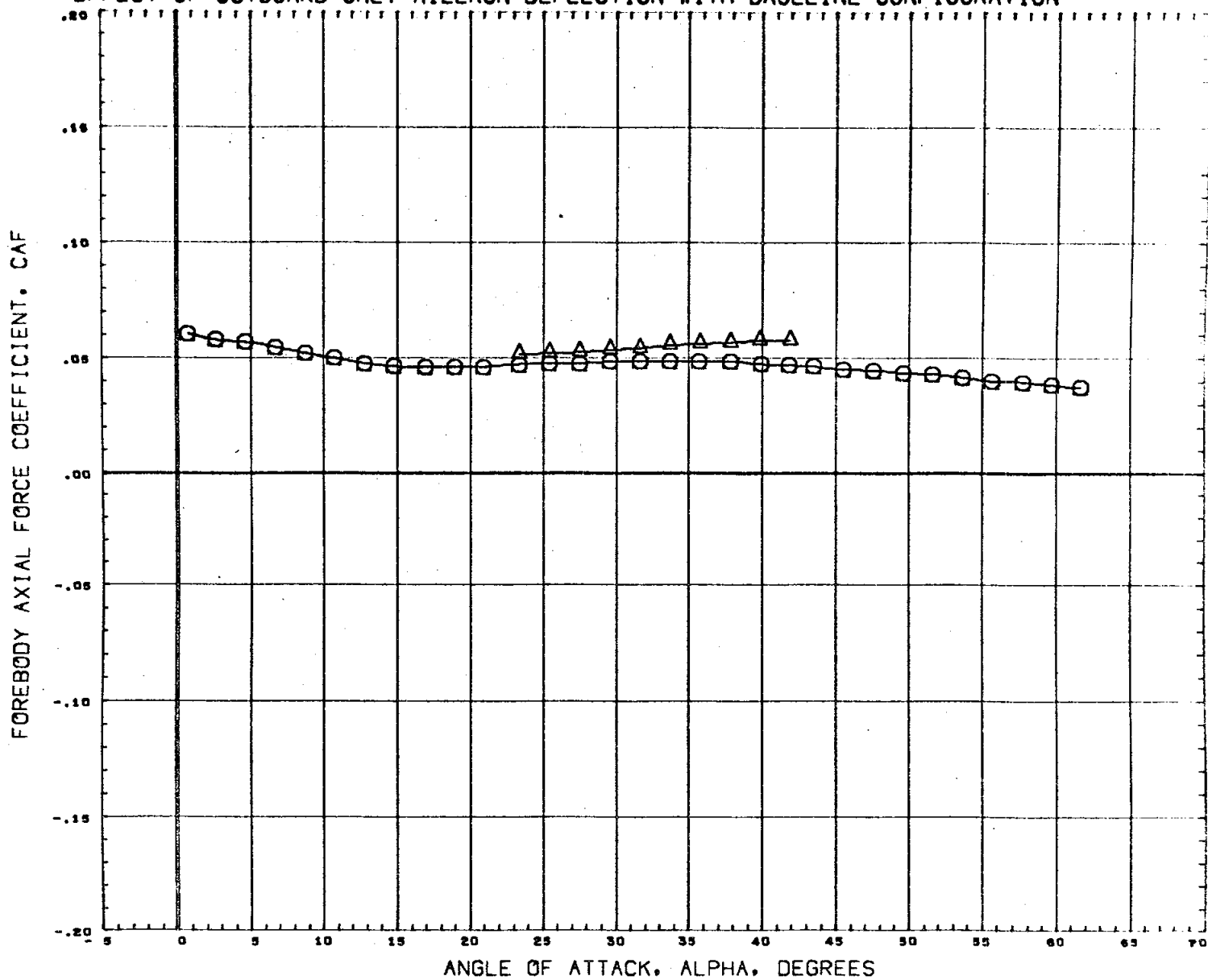


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDAIL	RUDFLR	OBDLV	REFERENCE INFORMATION	
(C76305)	M555 (FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(C76321)	M555 (FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	10.000	0.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 2.99

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EFFECT OF OUTBOARD ONLY AILERON DEFLECTION WITH BASELINE CONFIGURATION

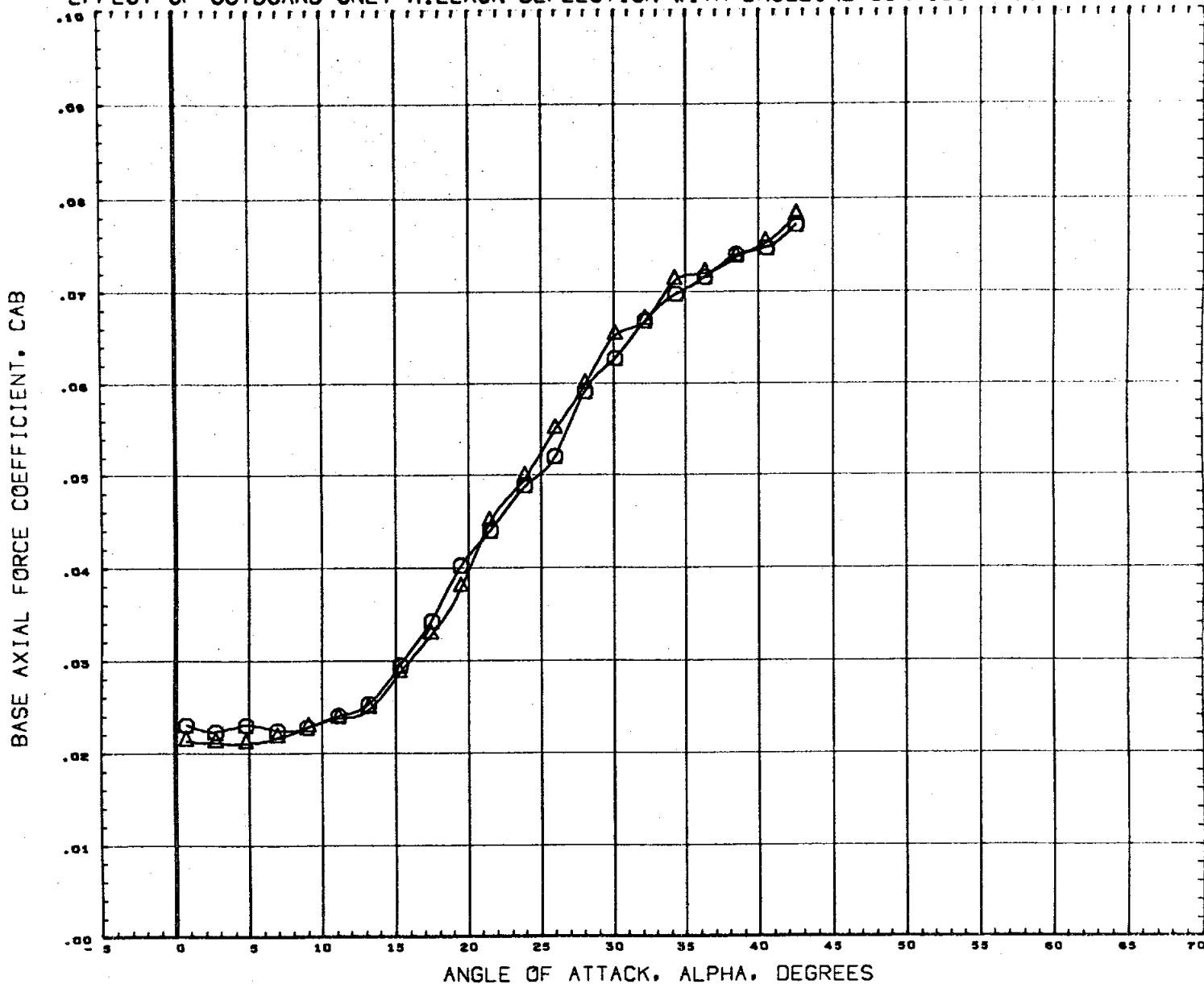


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDAIL	RUDFLR	OBDLV	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(C76321)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	10.000	0.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 4.96

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EFFECT OF OUTBOARD ONLY AILERON DEFLECTION WITH BASELINE CONFIGURATION

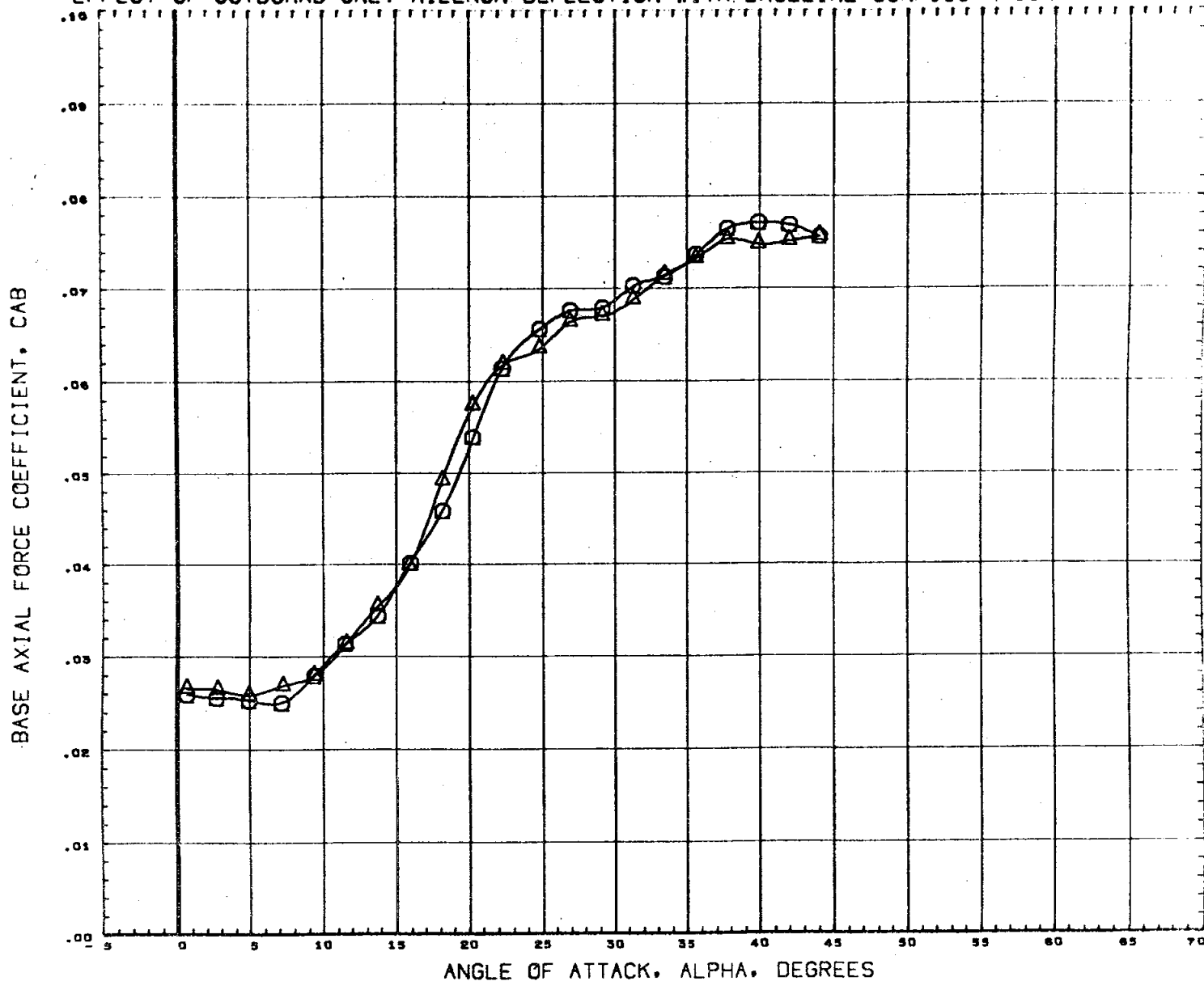


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDAIL	RUDFLR	OBDELV	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(C76521)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	10.000	0.000	LREF	2.1020 IN.
						OREF	4.0300 IN.
						XMRF	3.4930 IN.
						YMRF	0.0000 IN.
						ZMRF	0.0000 IN.
						SCALE	0.0040

MACH .59

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EFFECT OF OUTBOARD ONLY AILERON DEFLECTION WITH BASELINE CONFIGURATION

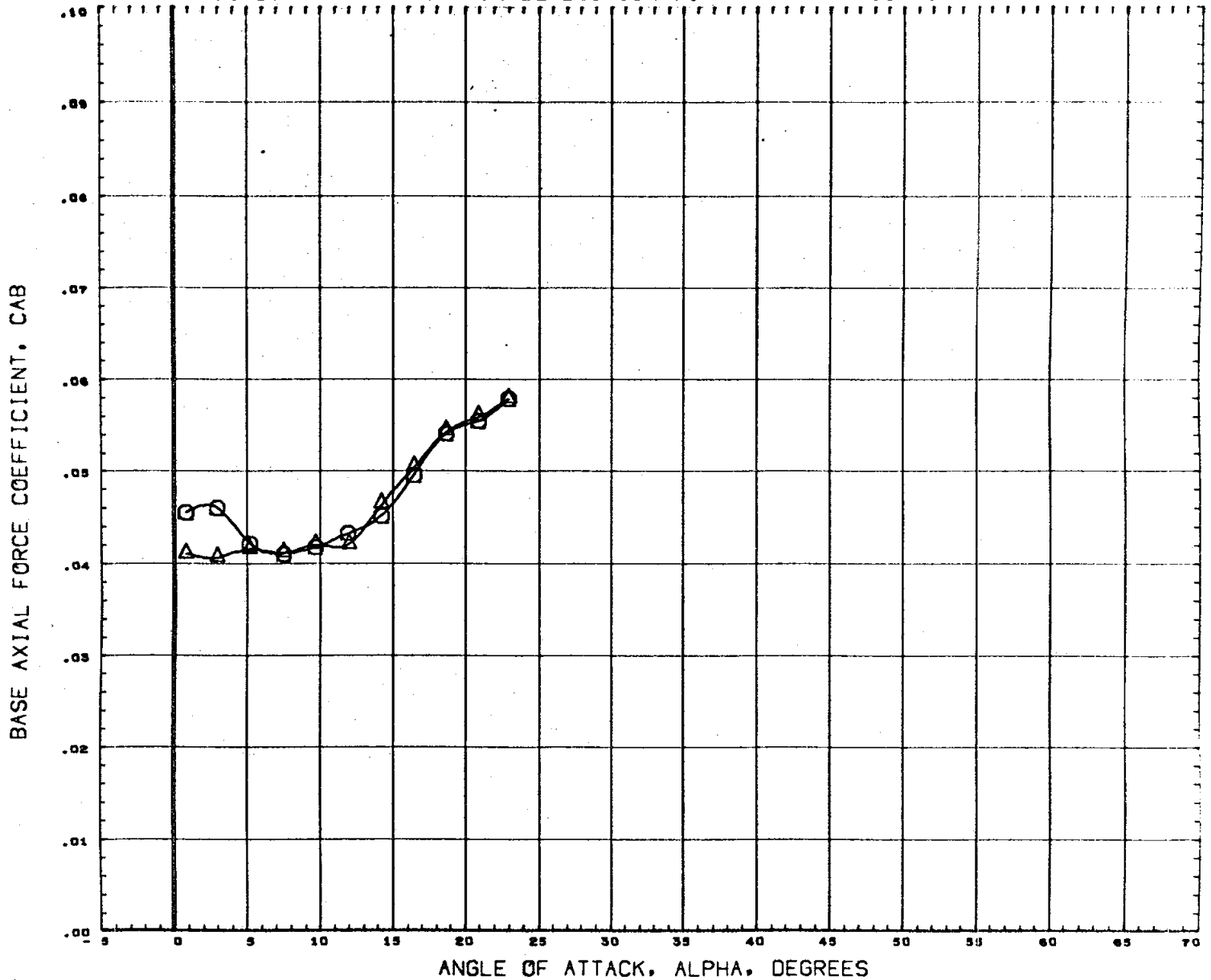


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDAIL	RUDFLR	OBDLV	REFERENCE INFORMATION	
(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(C76321)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	10.000	0.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH .90

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EFFECT OF OUTBOARD ONLY AILERON DEFLECTION WITH BASELINE CONFIGURATION

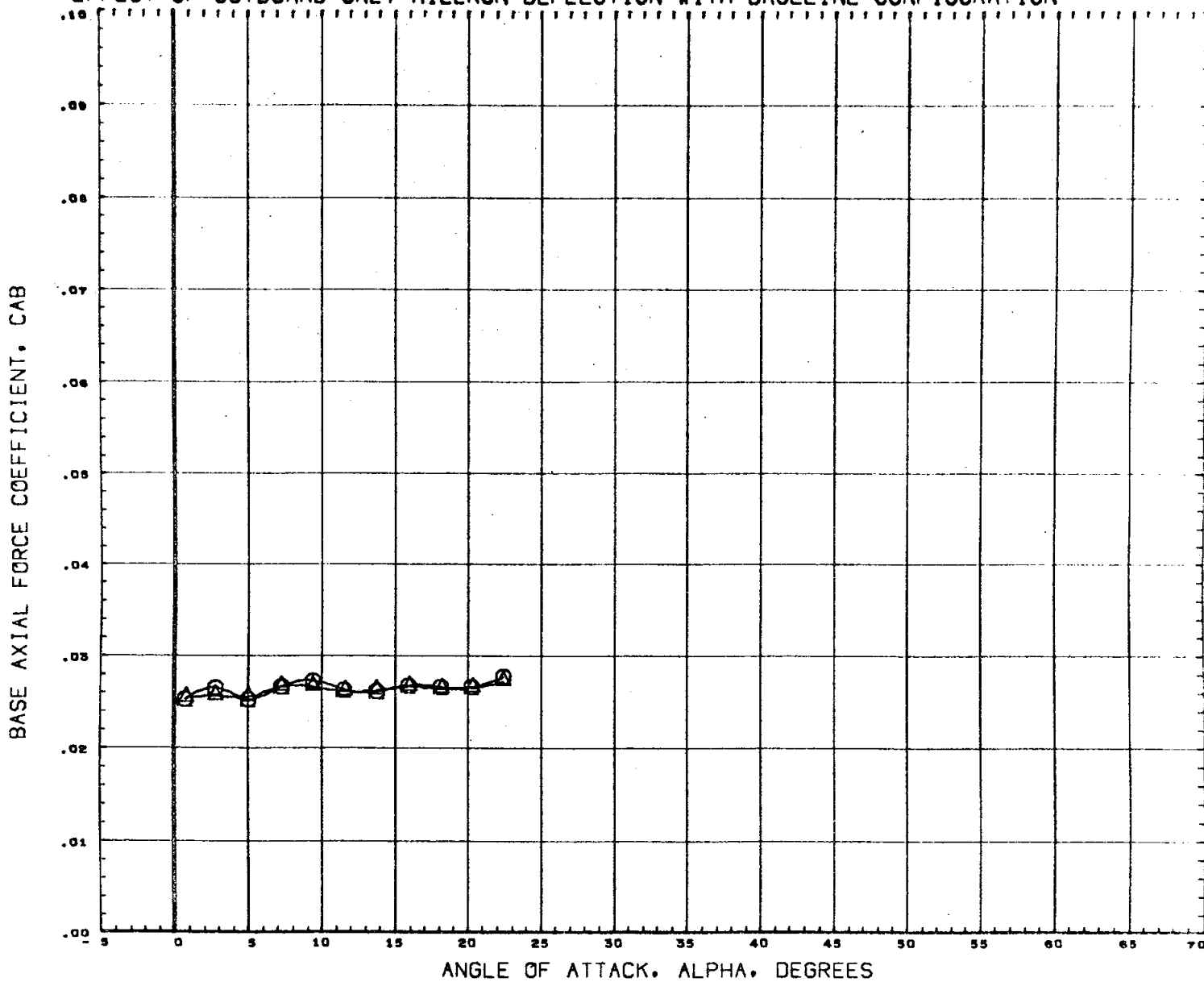


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDAIL	RUDFLR	OBDLV	REFERENCE INFORMATION	
(C76305)	M555 (PA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(C76521)	M555 (PA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	10.000	0.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4330 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 1.20

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EFFECT OF OUTBOARD ONLY AILERON DEFLECTION WITH BASELINE CONFIGURATION

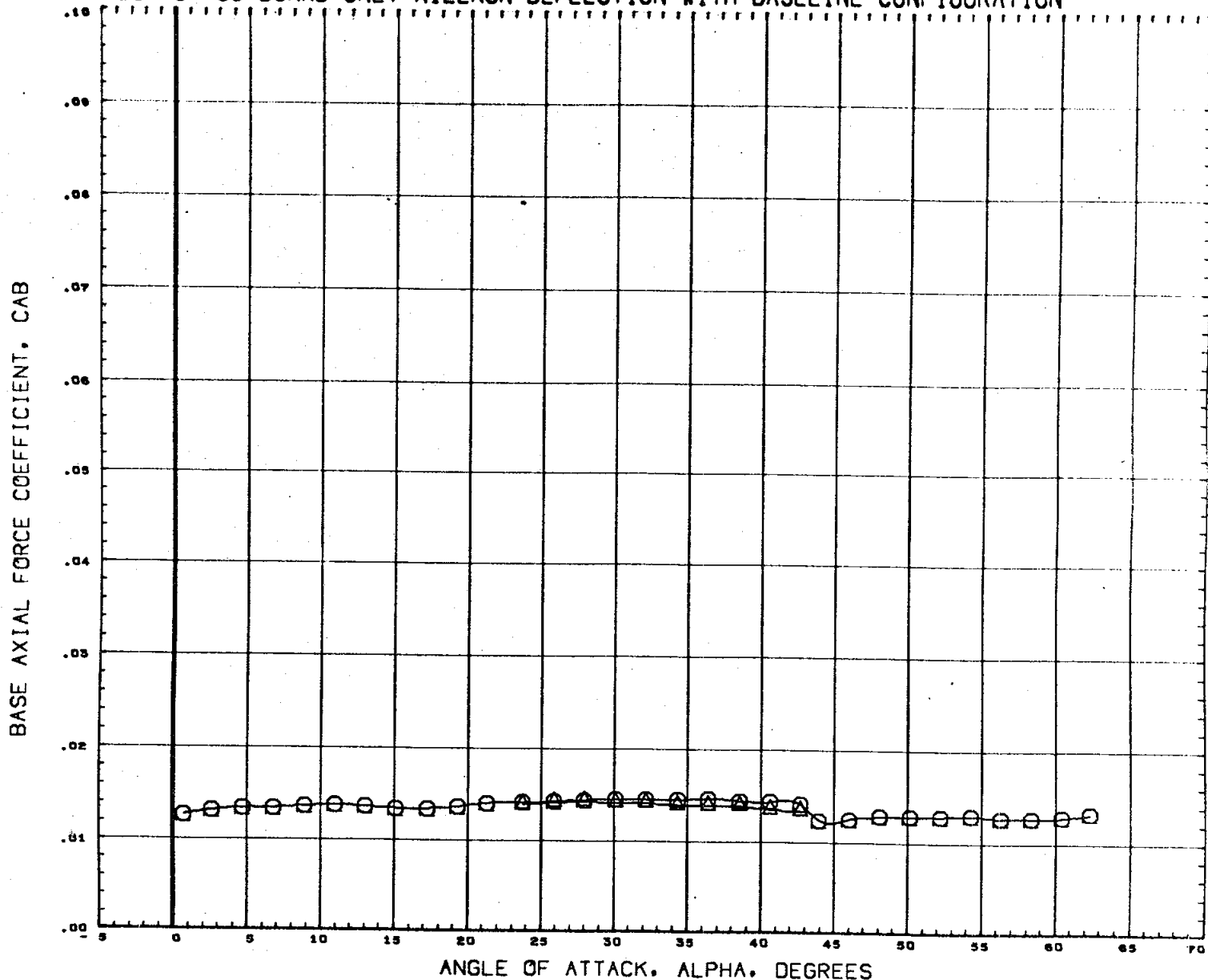


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDAIL	RUDFLR	OBDLV	REFERENCE INFORMATION	
(C76305)	M555 (PA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(C76521)	M555 (PA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	10.000	0.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 1.97

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EFFECT OF OUTBOARD ONLY AILERON DEFLECTION WITH BASELINE CONFIGURATION



ANGLE OF ATTACK, ALPHA, DEGREES

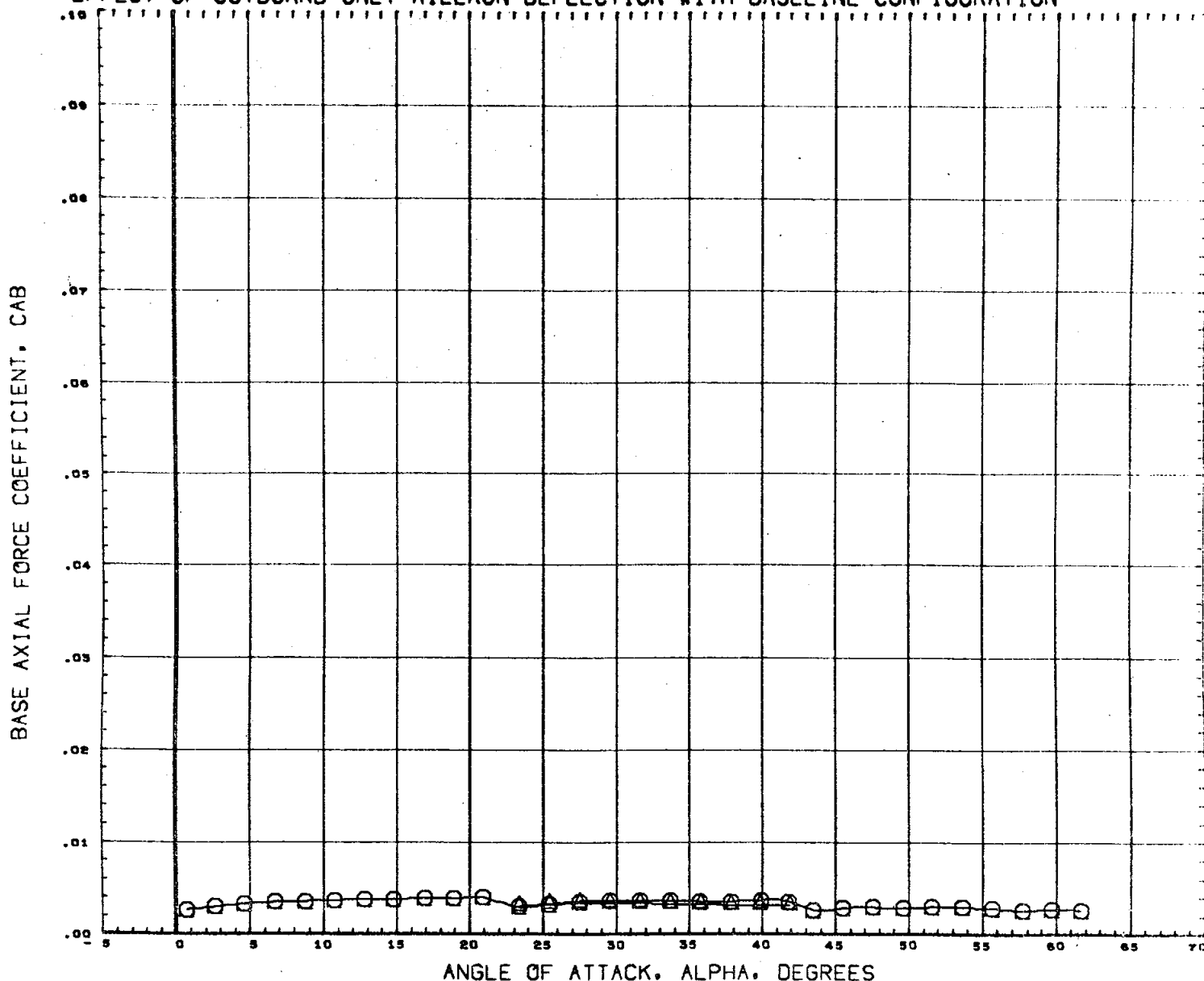
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDAIL	RUDFLR	OBDELV	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(C76321)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	10.000	0.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH

2.99

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EFFECT OF OUTBOARD ONLY AILERON DEFLECTION WITH BASELINE CONFIGURATION

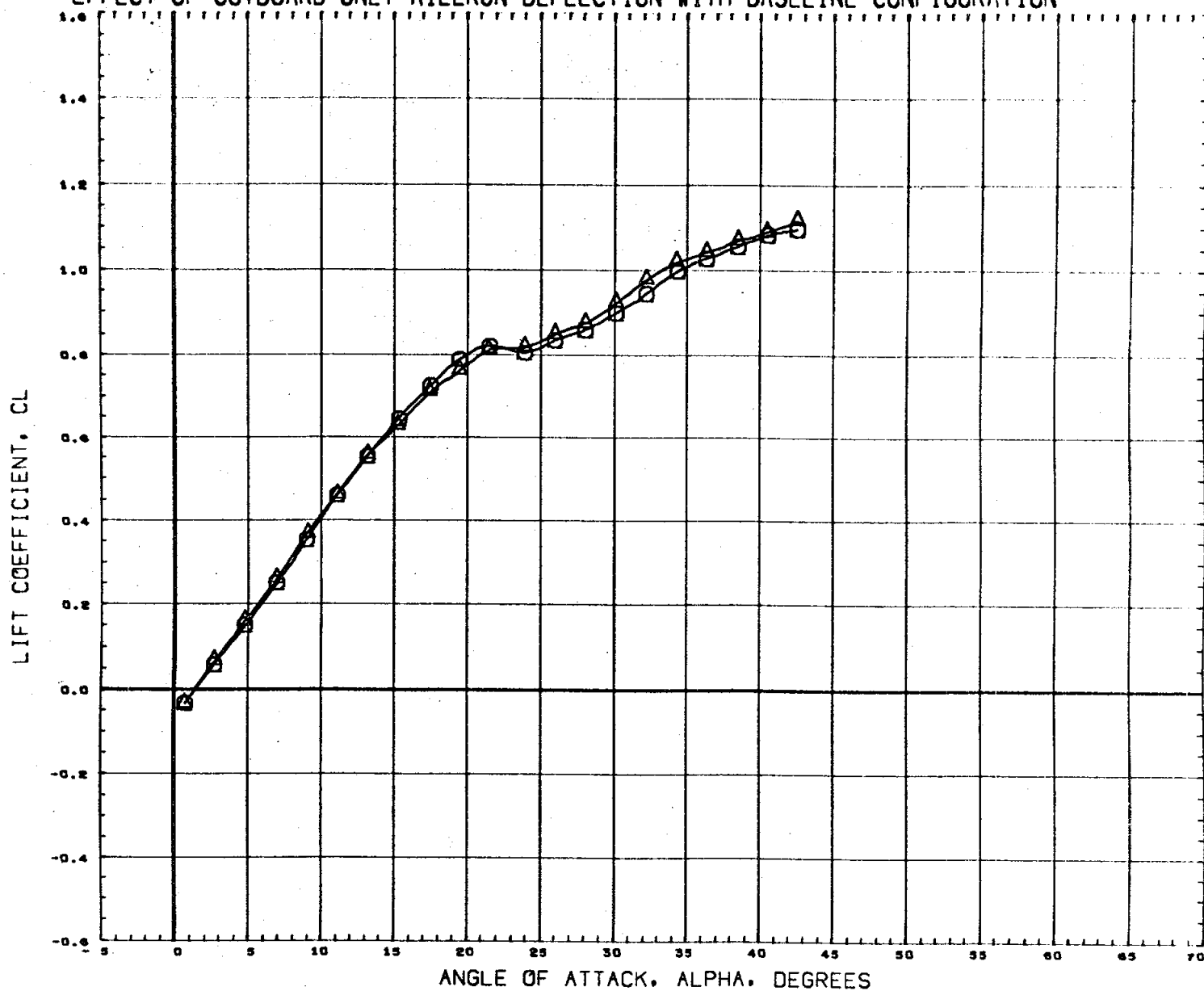


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDAIL	RUDFLR	OBDLV	REFERENCE INFORMATION		
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190	SQ. IN.
(C76321)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	10.000	0.000	LREF	2.1020	IN.
						BREF	4.0300	IN.
						XMRP	3.4530	IN.
						YMRP	0.0000	IN.
						ZMRP	0.0000	IN.
						SCALE	0.0040	

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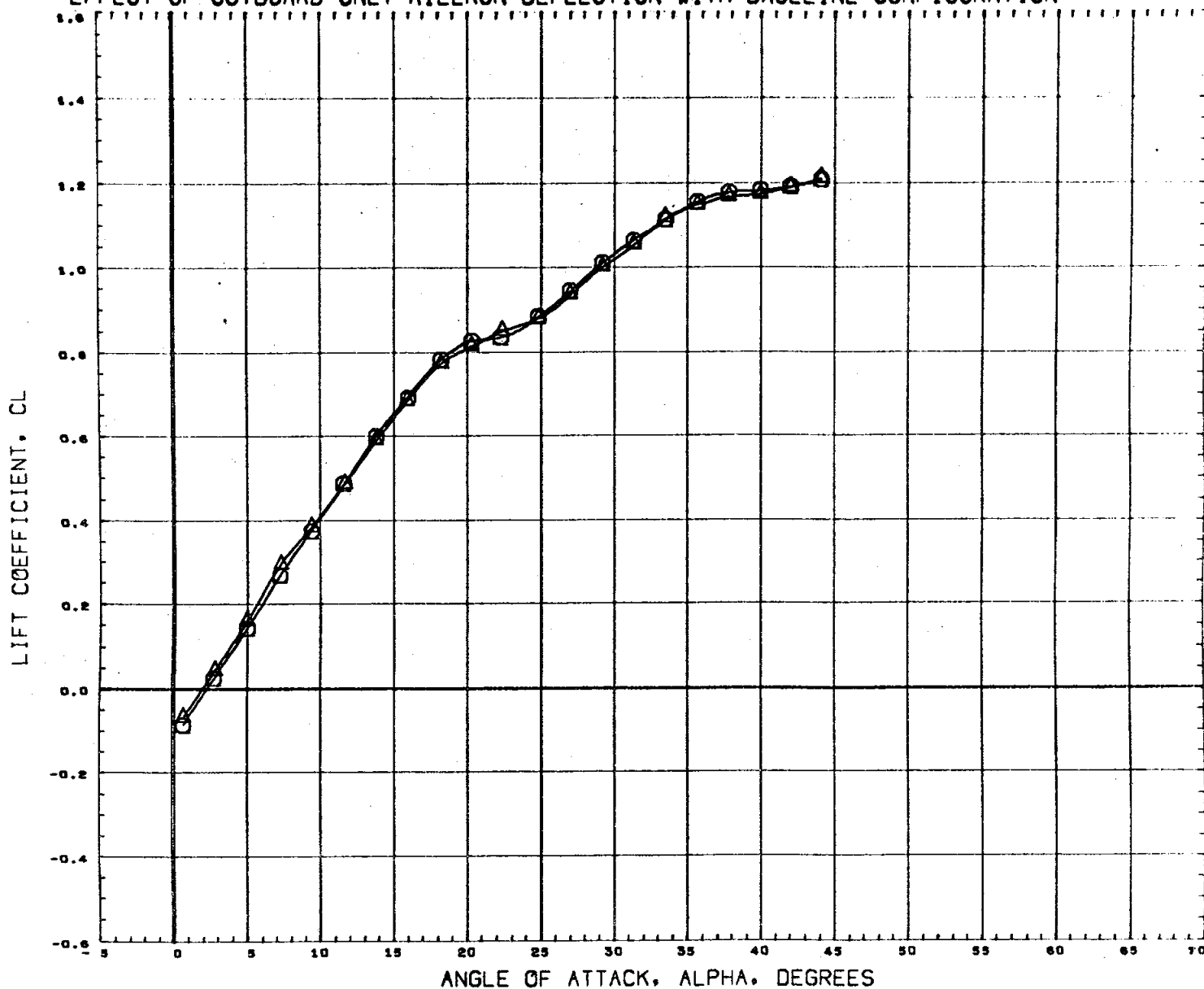
EFFECT OF OUTBOARD ONLY AILERON DEFLECTION WITH BASELINE CONFIGURATION



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OSDAIL	RUDFLR	OSDELV	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(C76521)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	10.000	0.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH .59

EFFECT OF OUTBOARD ONLY AILERON DEFLECTION WITH BASELINE CONFIGURATION

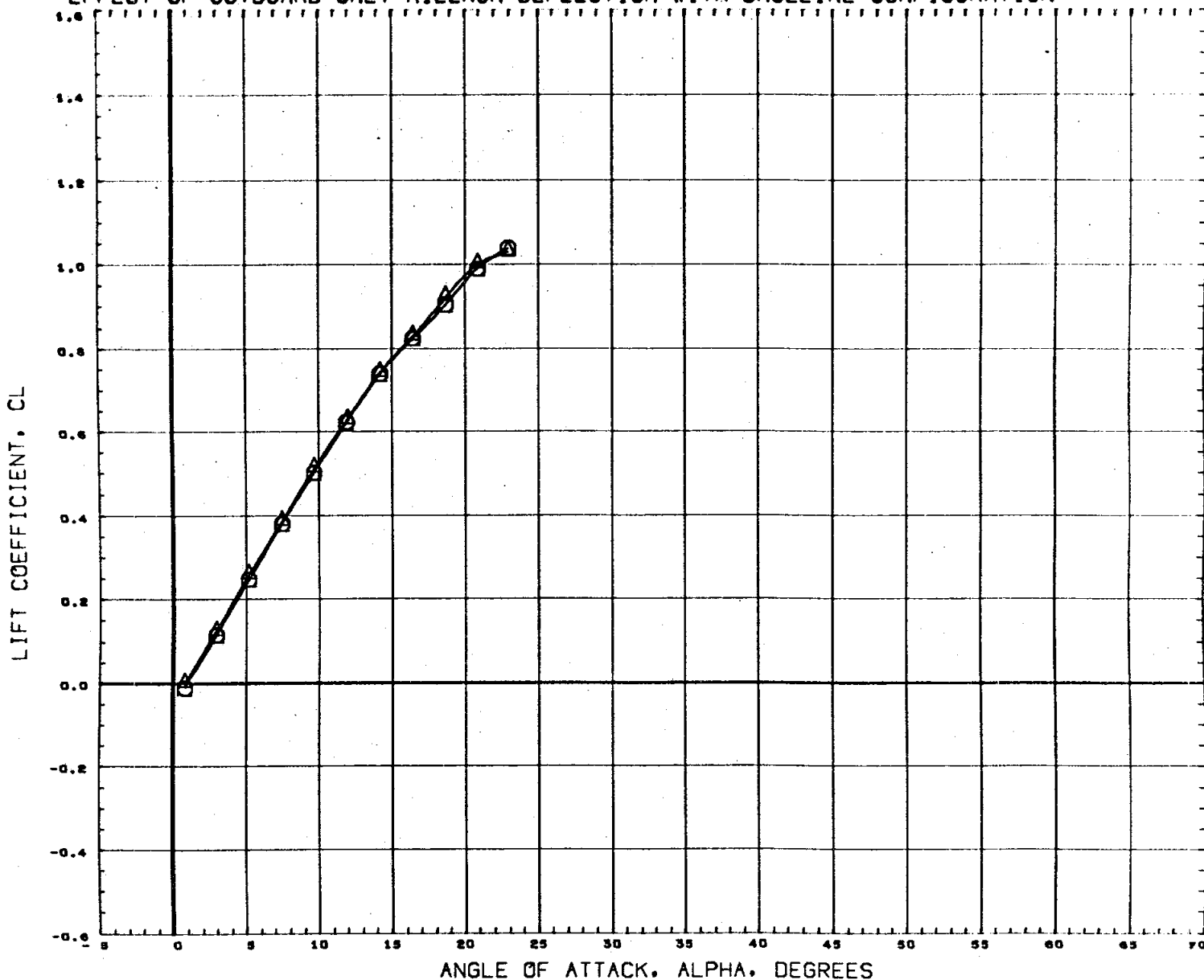


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDAIL	RUDFLR	OBDELV	REFERENCE INFORMATION	
(C76303)	M355 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190 50. IN.
(C76321)	M355 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	10.000	0.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4330 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH .90

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EFFECT OF OUTBOARD ONLY AILERON DEFLECTION WITH BASELINE CONFIGURATION

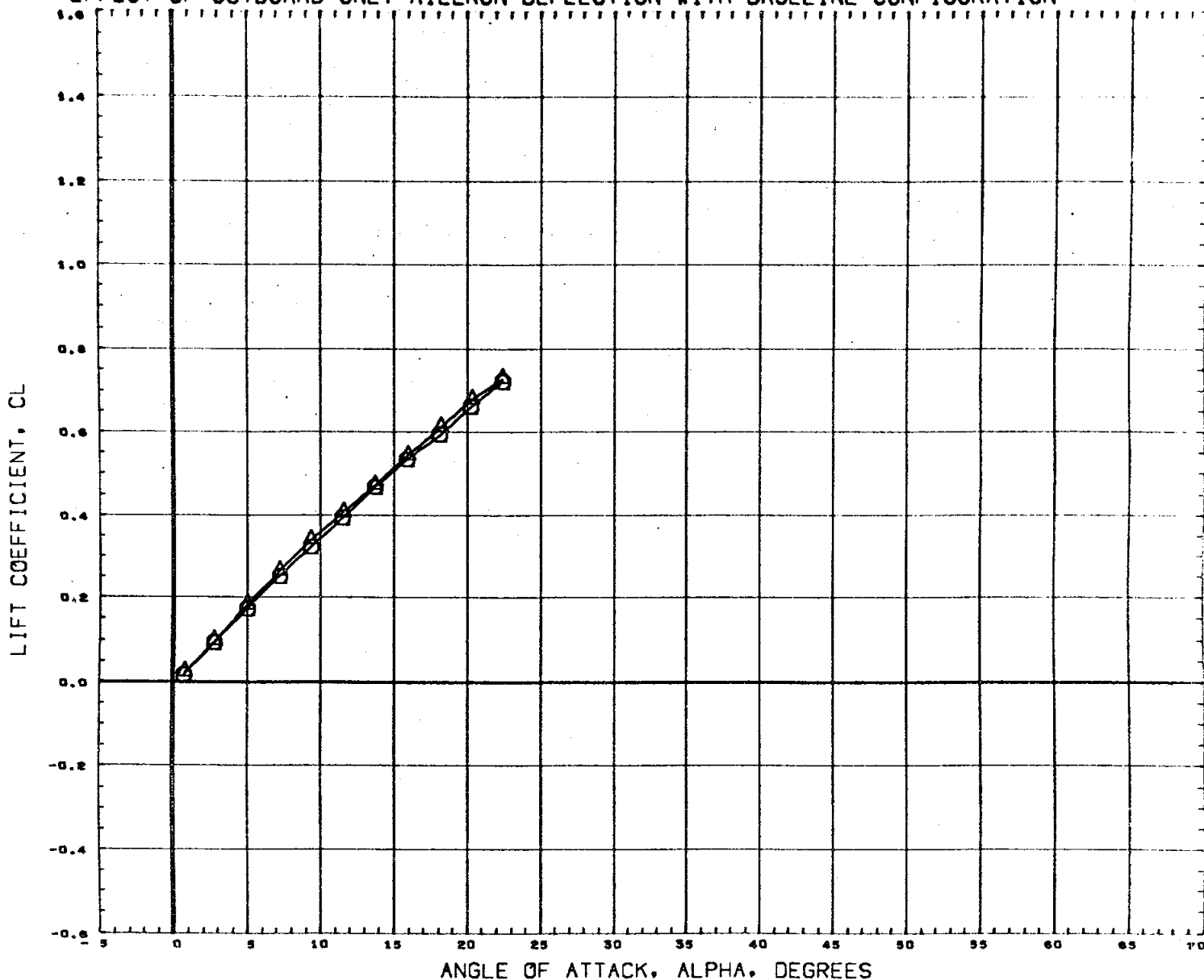


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDAIL	RUDFLR	OBDLV	REFERENCE INFORMATION	
(C76303)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(C76521)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	10.000	0.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 1.20

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EFFECT OF OUTBOARD ONLY AILERON DEFLECTION WITH BASELINE CONFIGURATION

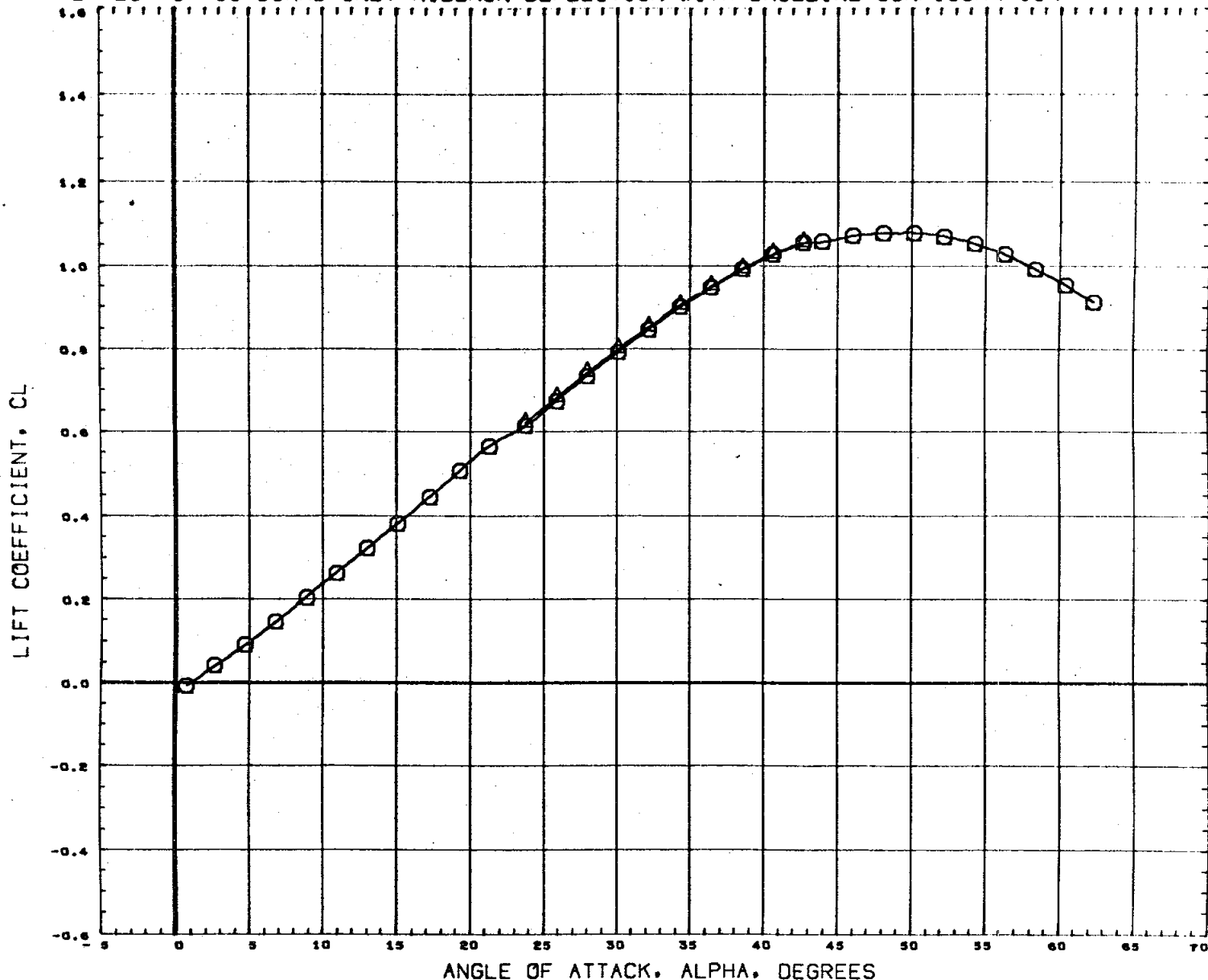


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDAIL	RUDFLR	OBDLV	REFERENCE INFORMATION	
(C76305)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(C76521)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	10.000	0.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4536 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 1.97

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EFFECT OF OUTBOARD ONLY AILERON DEFLECTION WITH BASELINE CONFIGURATION

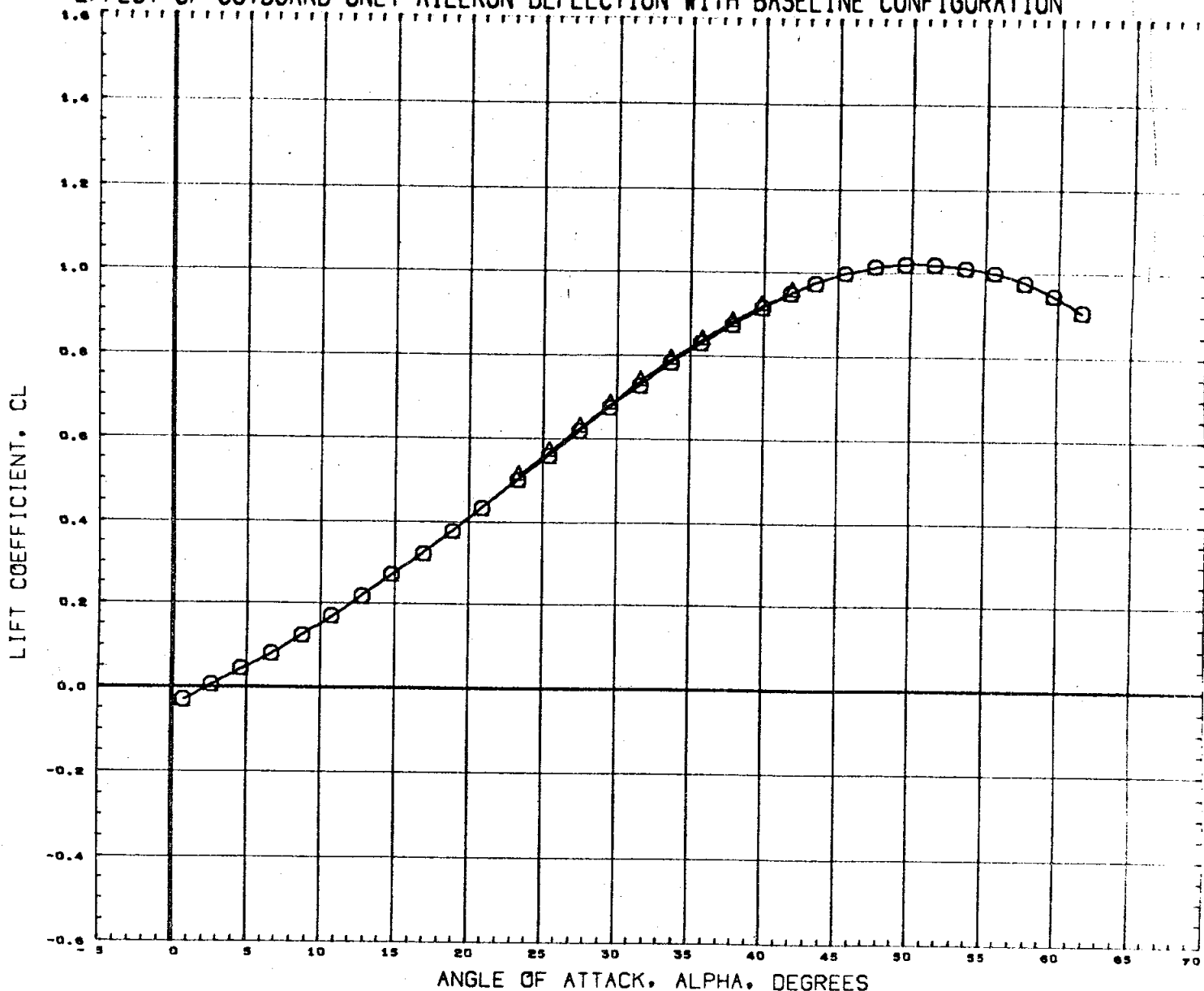


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDAIL	RUDFLR	OBDLV	REFERENCE INFORMATION	
(C76309)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(C76321)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	10.000	0.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 2.99

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EFFECT OF OUTBOARD ONLY AILERON DEFLECTION WITH BASELINE CONFIGURATION

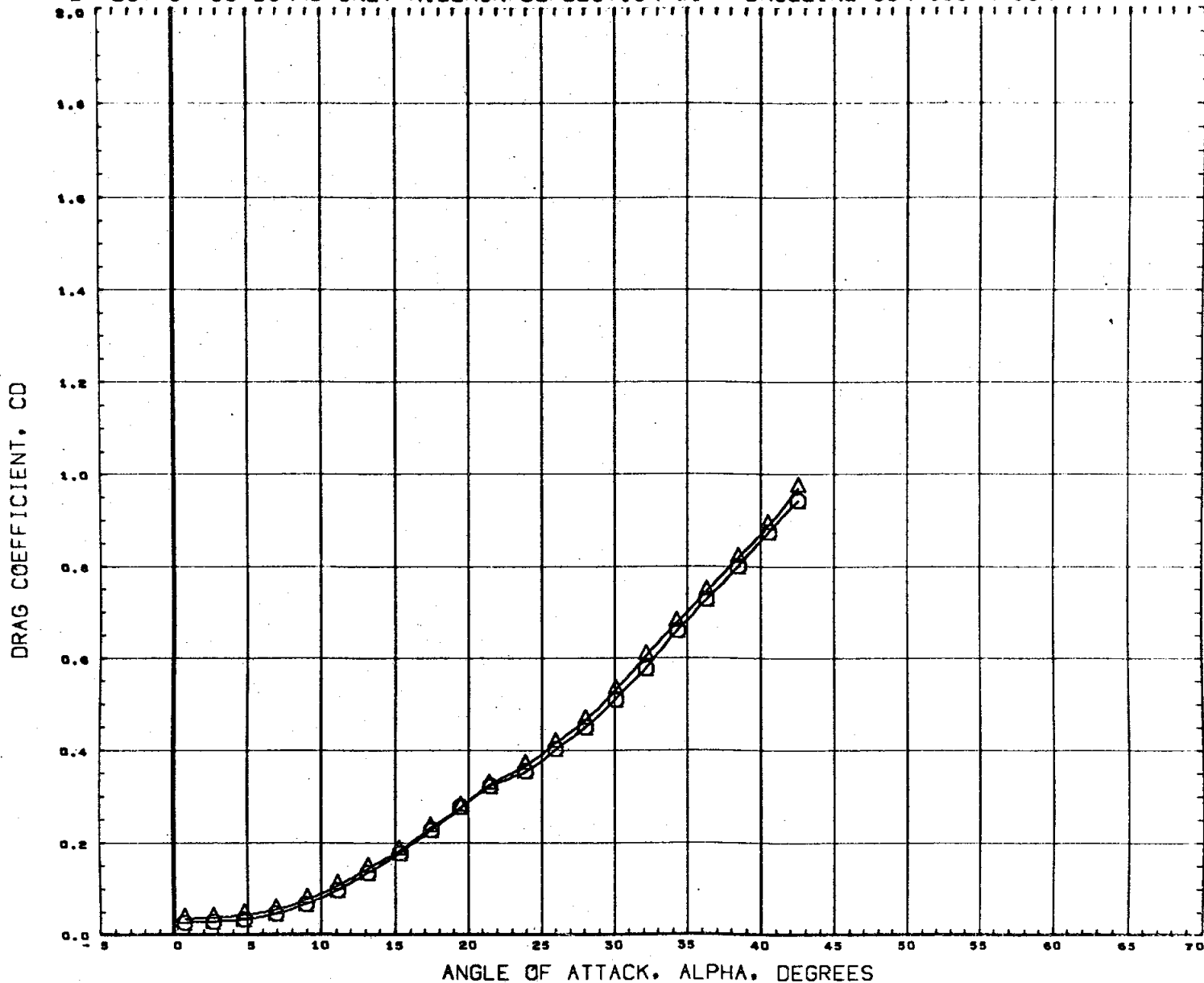


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDAIL	RUDFLR	OBDLV	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(C76321)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	10.000	0.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRF	3.4530 IN.
						YMRF	0.0000 IN.
						ZMRF	0.0000 IN.
						SCALE	0.0040

MACH 4.96

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EFFECT OF OUTBOARD ONLY AILERON DEFLECTION WITH BASELINE CONFIGURATION

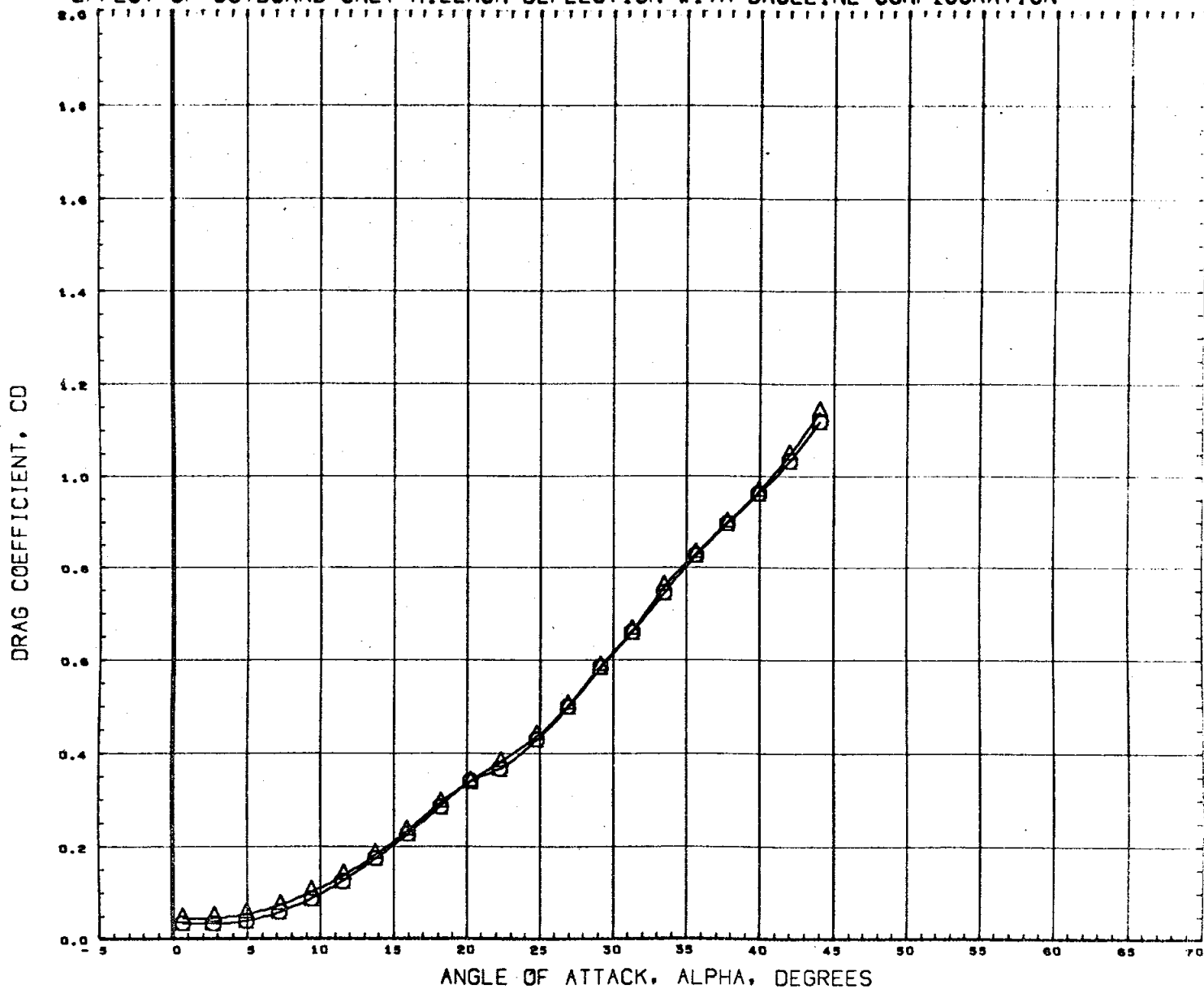


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDAIL	RUDFLR	OBDELV	REFERENCE INFORMATION	
(C76308)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(C76321)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	10.000	0.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4930 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH .59

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EFFECT OF OUTBOARD ONLY AILERON DEFLECTION WITH BASELINE CONFIGURATION

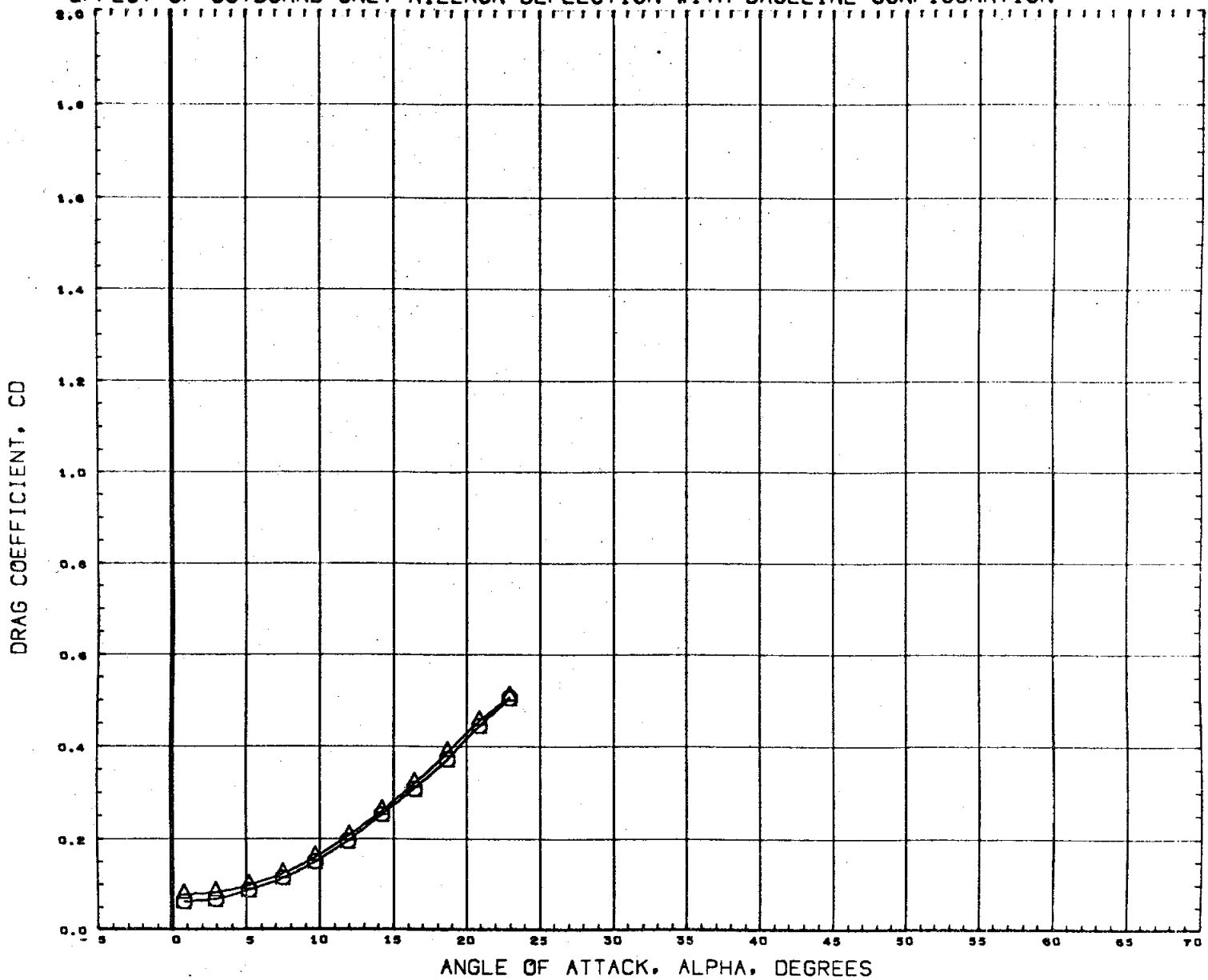


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDAIL	RUDFLR	OBDLV	REFERENCE INFORMATION		
(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1H1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190	sq. in.
(C76521)	M555 (FA3) NAR ATP ORB (B1C1D1F1H1) (W1E1) (V1K1R1)	0.000	10.000	10.000	0.000	LREF	2.1020	in.
						BREF	4.0300	in.
						XMRP	3.4530	in.
						YMRP	0.0000	in.
						ZMRP	0.0000	in.
						SCALE	0.0040	

MACH .90

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EFFECT OF OUTBOARD ONLY AILERON DEFLECTION WITH BASELINE CONFIGURATION

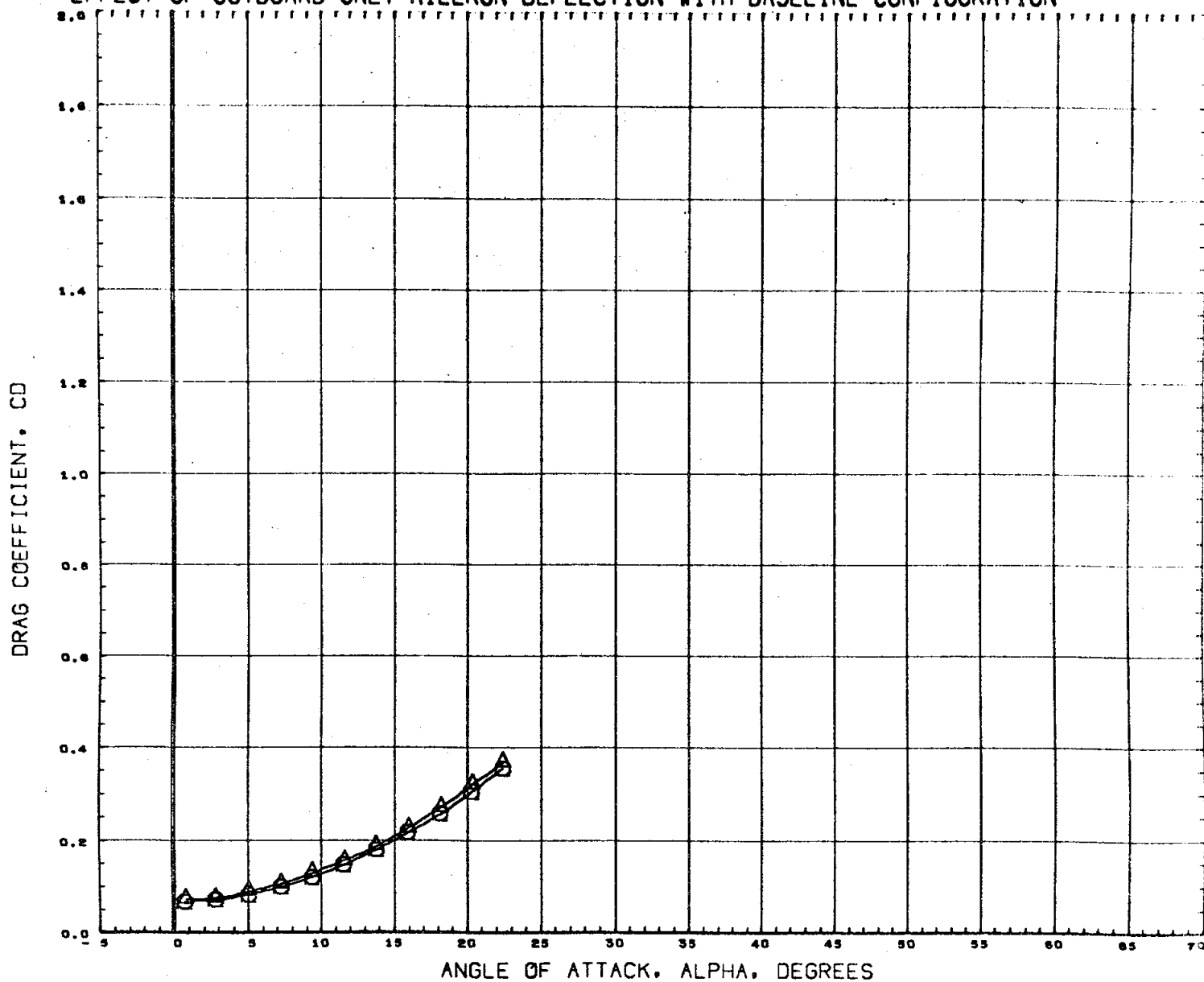


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDAIL	RUDFLR	OBDLV	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(C76521)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	10.000	0.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 1.20

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EFFECT OF OUTBOARD ONLY AILERON DEFLECTION WITH BASELINE CONFIGURATION

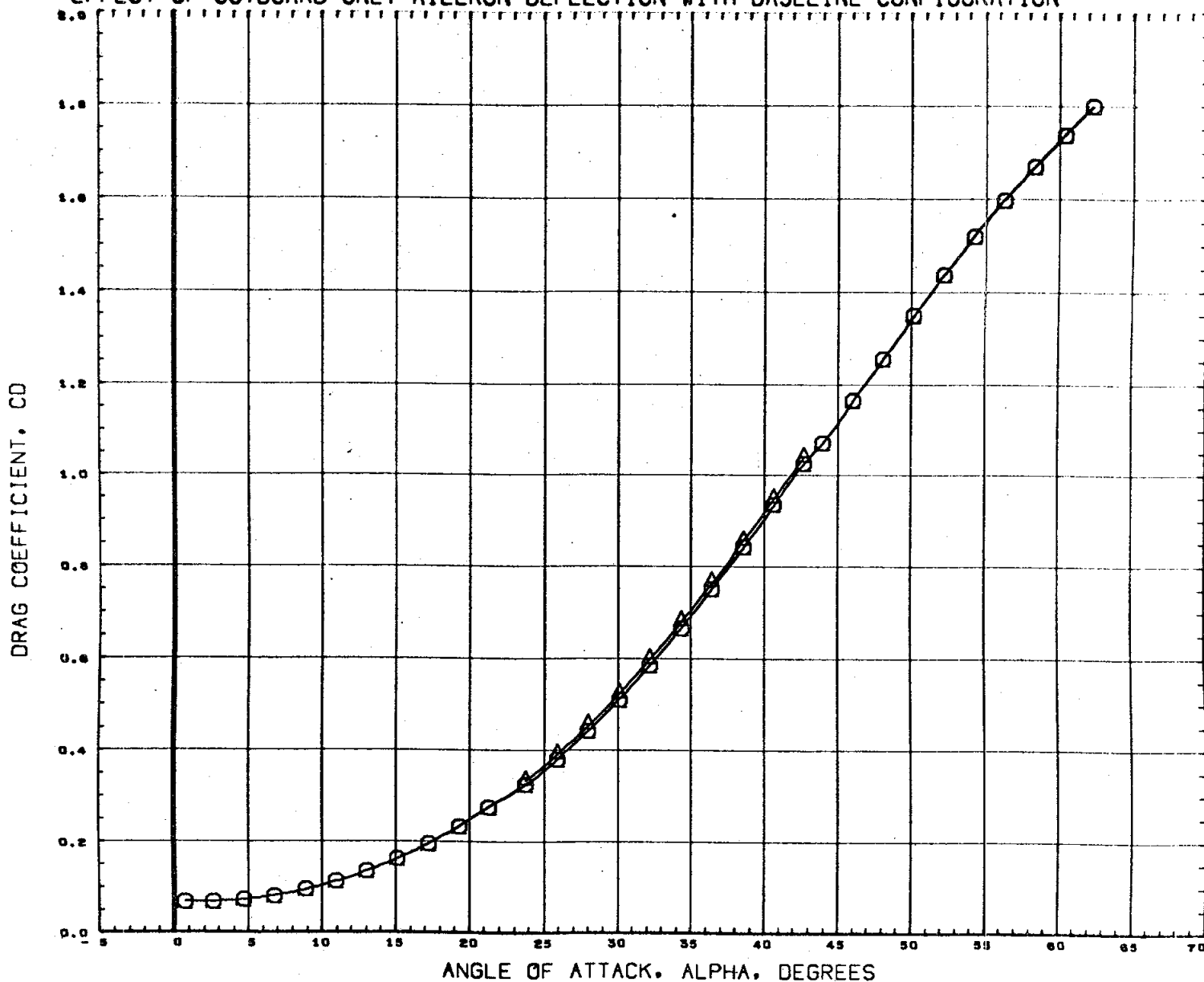


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDAIL	RUDFLR	OBDLV	REFERENCE INFORMATION	
(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(C76321)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	10.000	0.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 1.97

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EFFECT OF OUTBOARD ONLY AILERON DEFLECTION WITH BASELINE CONFIGURATION

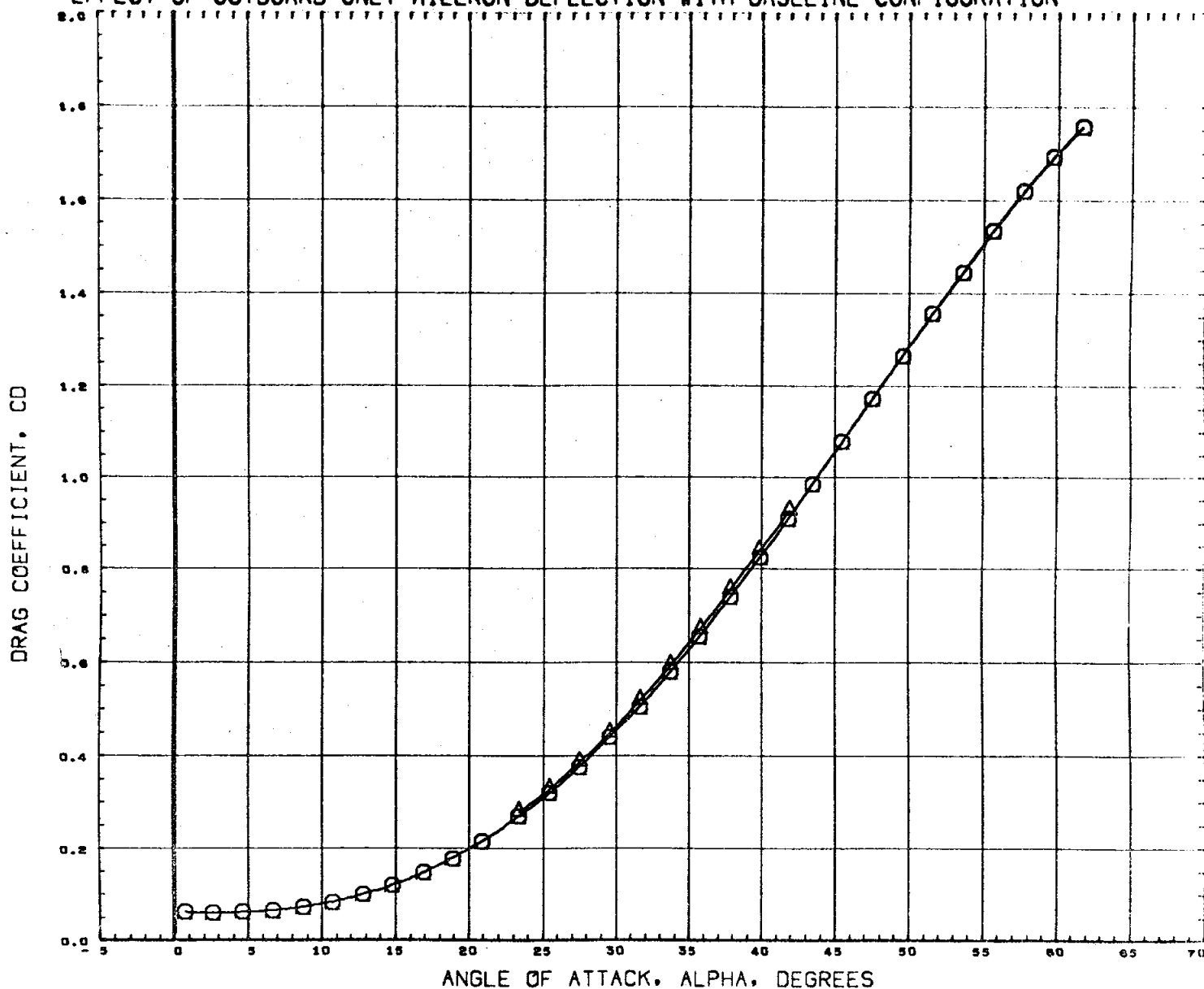


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDAIL	RUOFLR	OBDELV	REFERENCE INFORMATION	
(C76309)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(C76321)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	10.000	0.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 2.99

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EFFECT OF OUTBOARD ONLY AILERON DEFLECTION WITH BASELINE CONFIGURATION

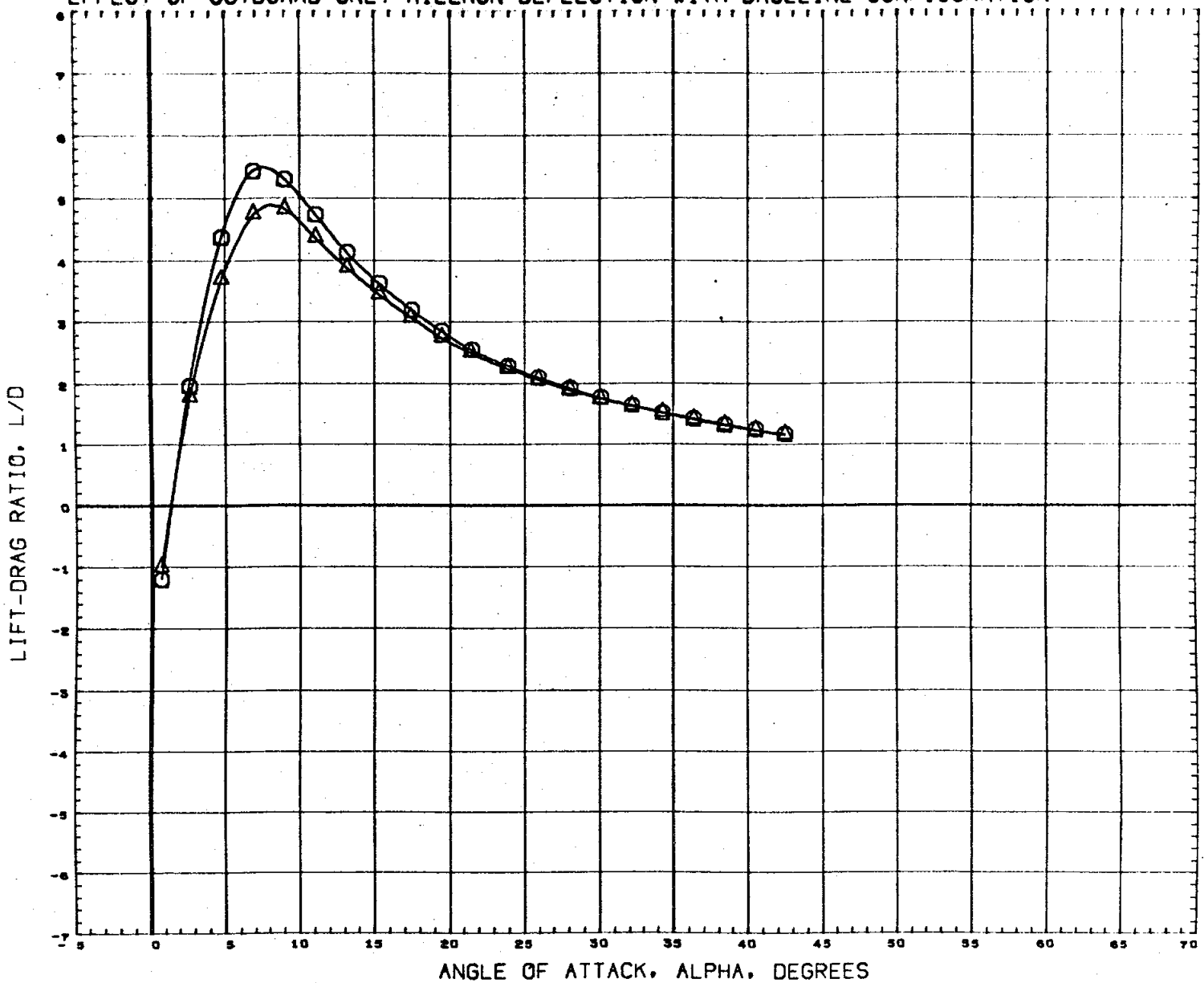


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDAIL	RUDFLR	OBDLV	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(C76521)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	10.000	0.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4330 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 4.96

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EFFECT OF OUTBOARD ONLY AILERON DEFLECTION WITH BASELINE CONFIGURATION

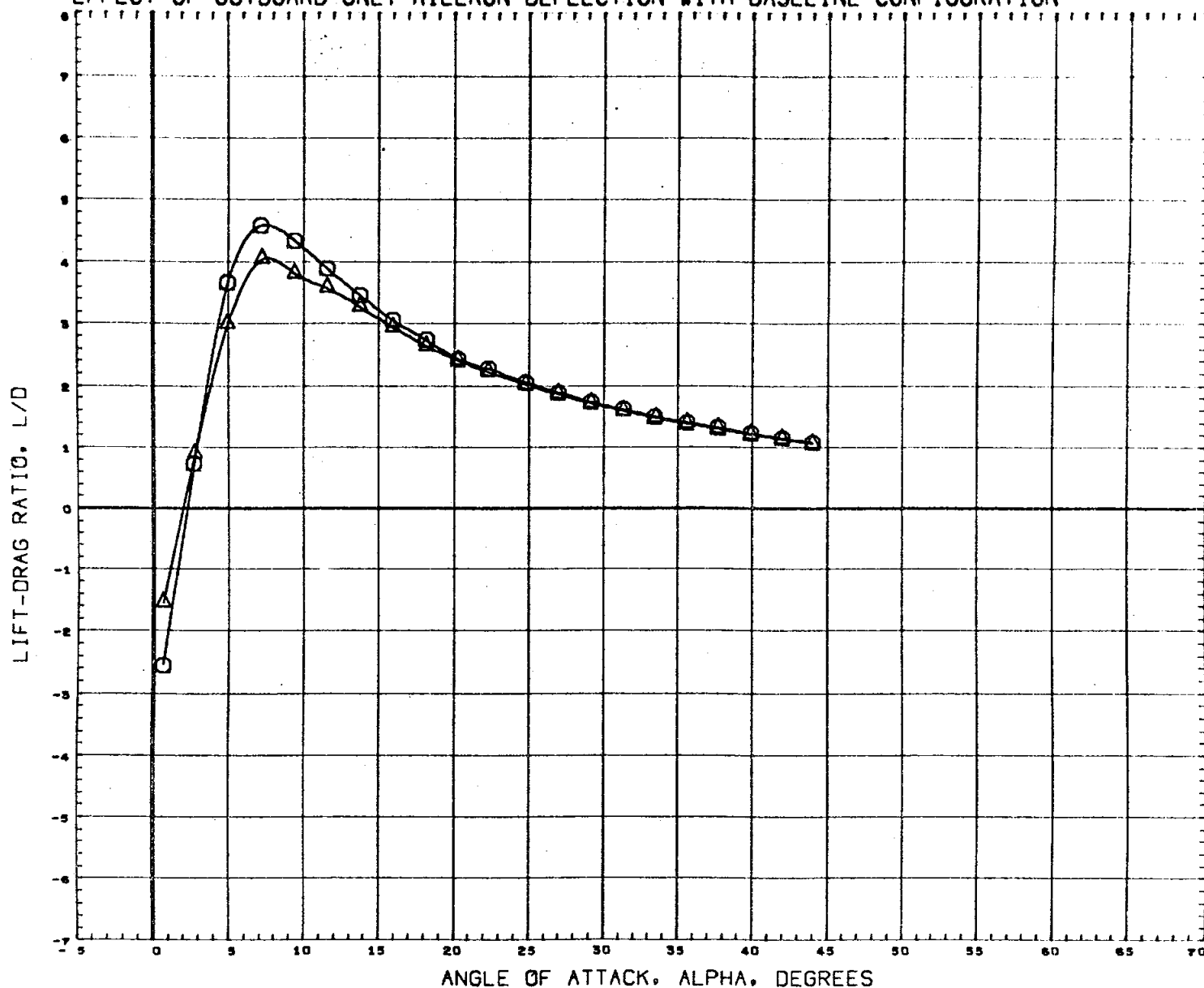


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDAIL	RUDFLR	OBDLV	REFERENCE INFORMATION	
(C76308)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(C76321)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	10.000	0.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH .59

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EFFECT OF OUTBOARD ONLY AILERON DEFLECTION WITH BASELINE CONFIGURATION

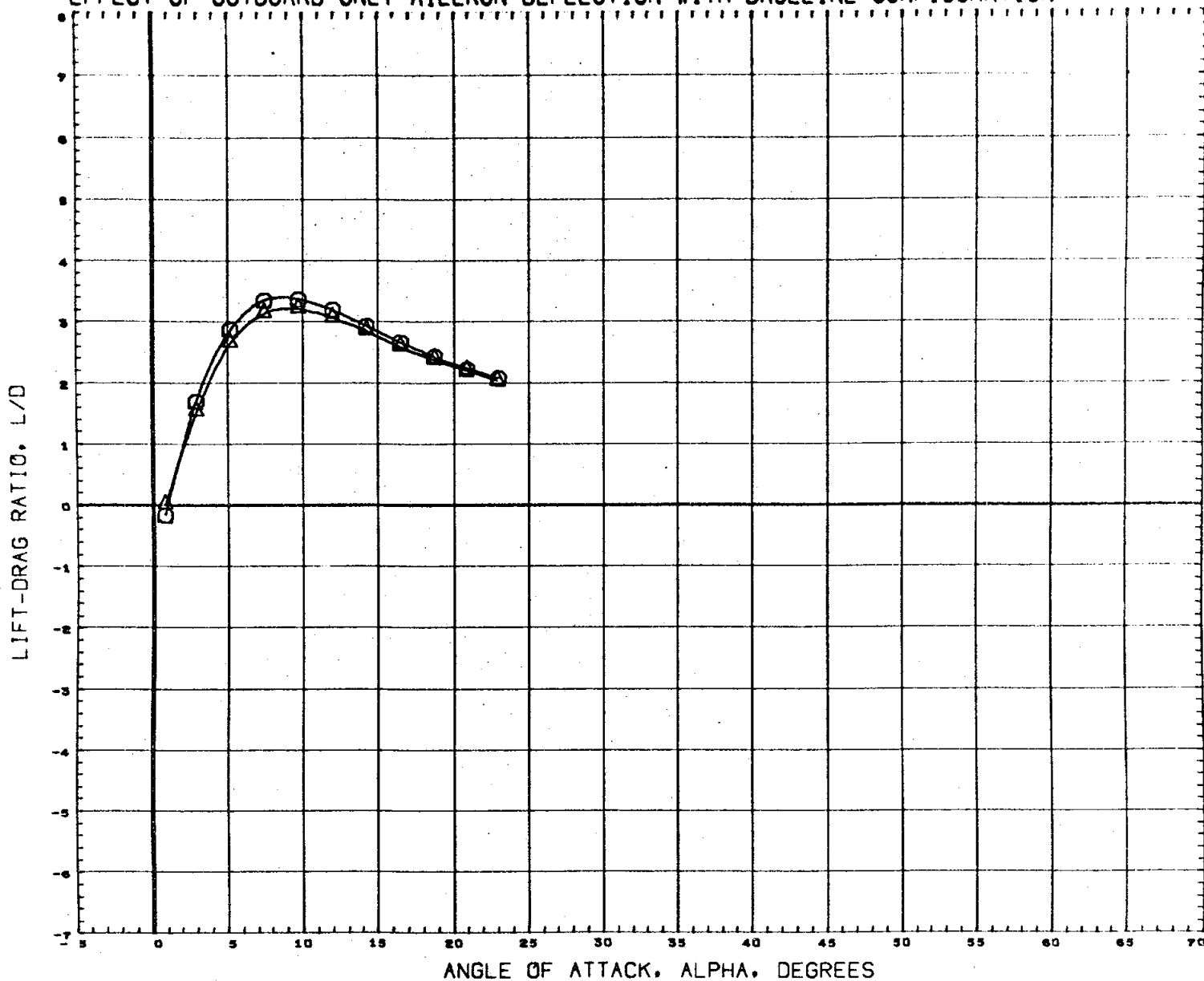


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDAIL	RUDFLR	OBDELV	REFERENCE INFORMATION	
(C76305)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(C76321)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	10.000	0.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH .90

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EFFECT OF OUTBOARD ONLY AILERON DEFLECTION WITH BASELINE CONFIGURATION

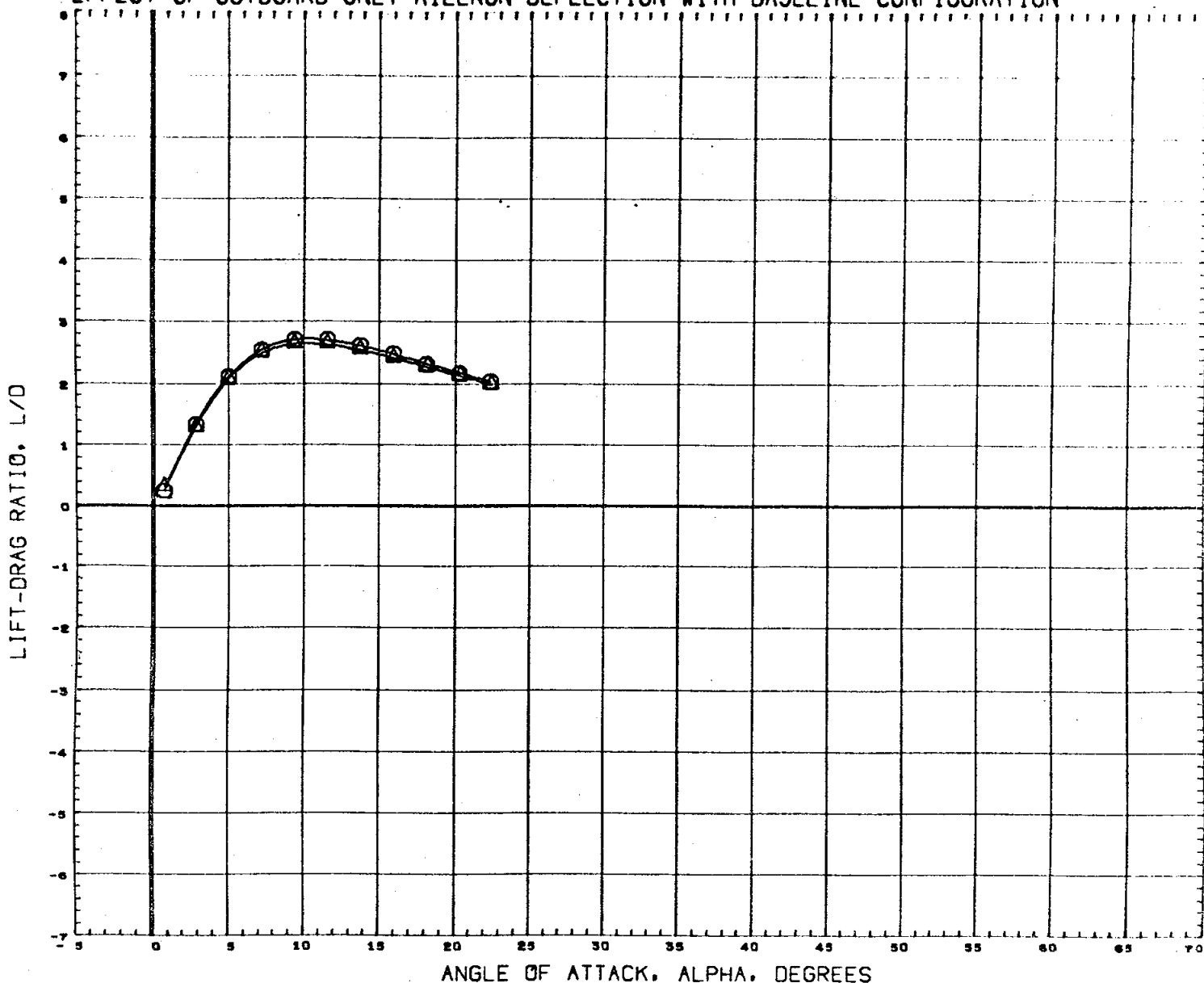


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDAIL	RUDFLR	OBDLV	REFERENCE INFORMATION		
(C76308)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190	SQ. IN.
(C76321)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	10.000	0.000	LREF	2.1020	IN.
						BREF	4.0300	IN.
						XMRP	3.4530	IN.
						YMRP	0.0000	IN.
						ZMRP	0.0000	IN.
						SCALE	0.0040	

MACH 1.20

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EFFECT OF OUTBOARD ONLY AILERON DEFLECTION WITH BASELINE CONFIGURATION

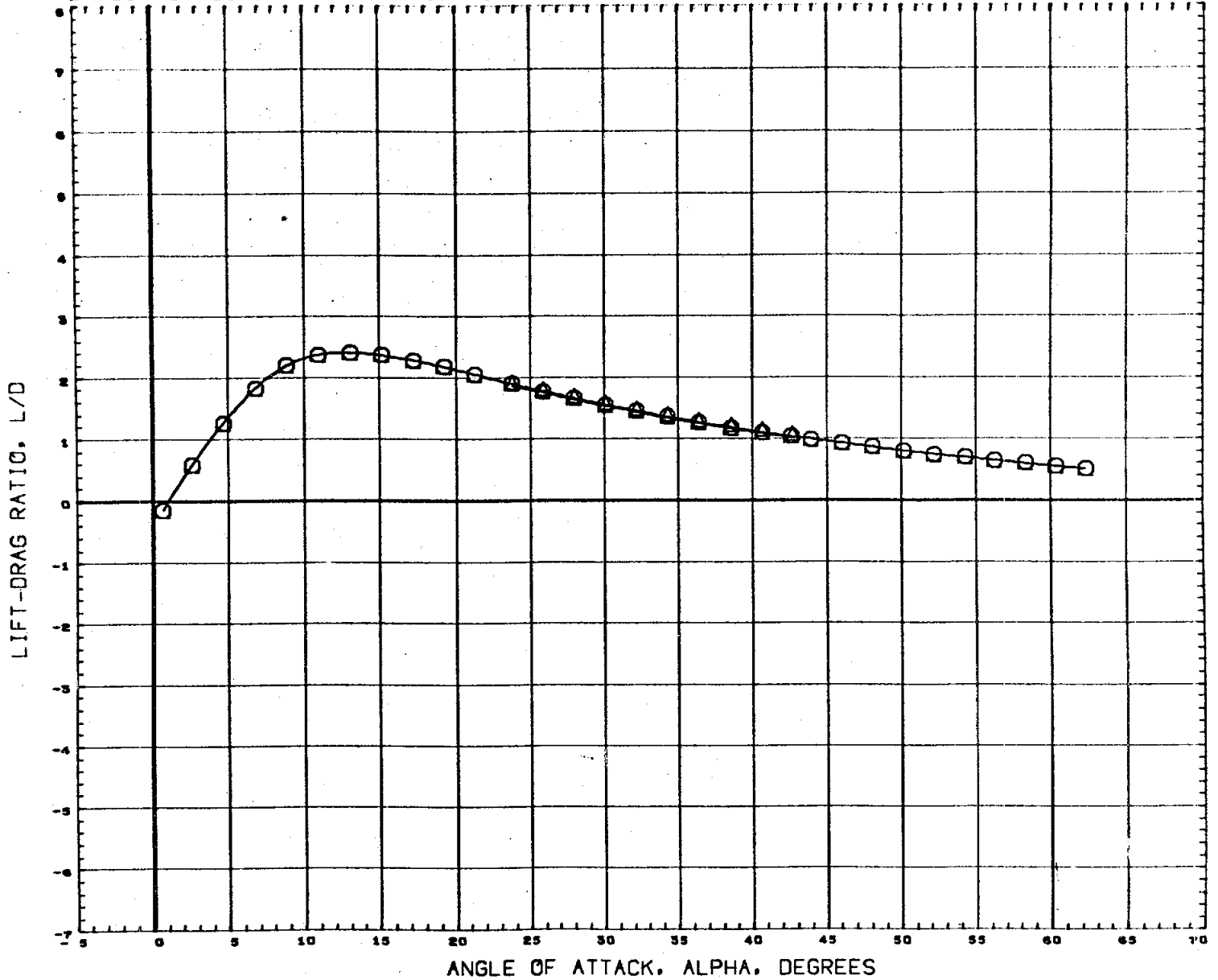


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDAIL	RUDFLR	OBDELV	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(C76321)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	10.000	0.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 1.97

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EFFECT OF OUTBOARD ONLY AILERON DEFLECTION WITH BASELINE CONFIGURATION

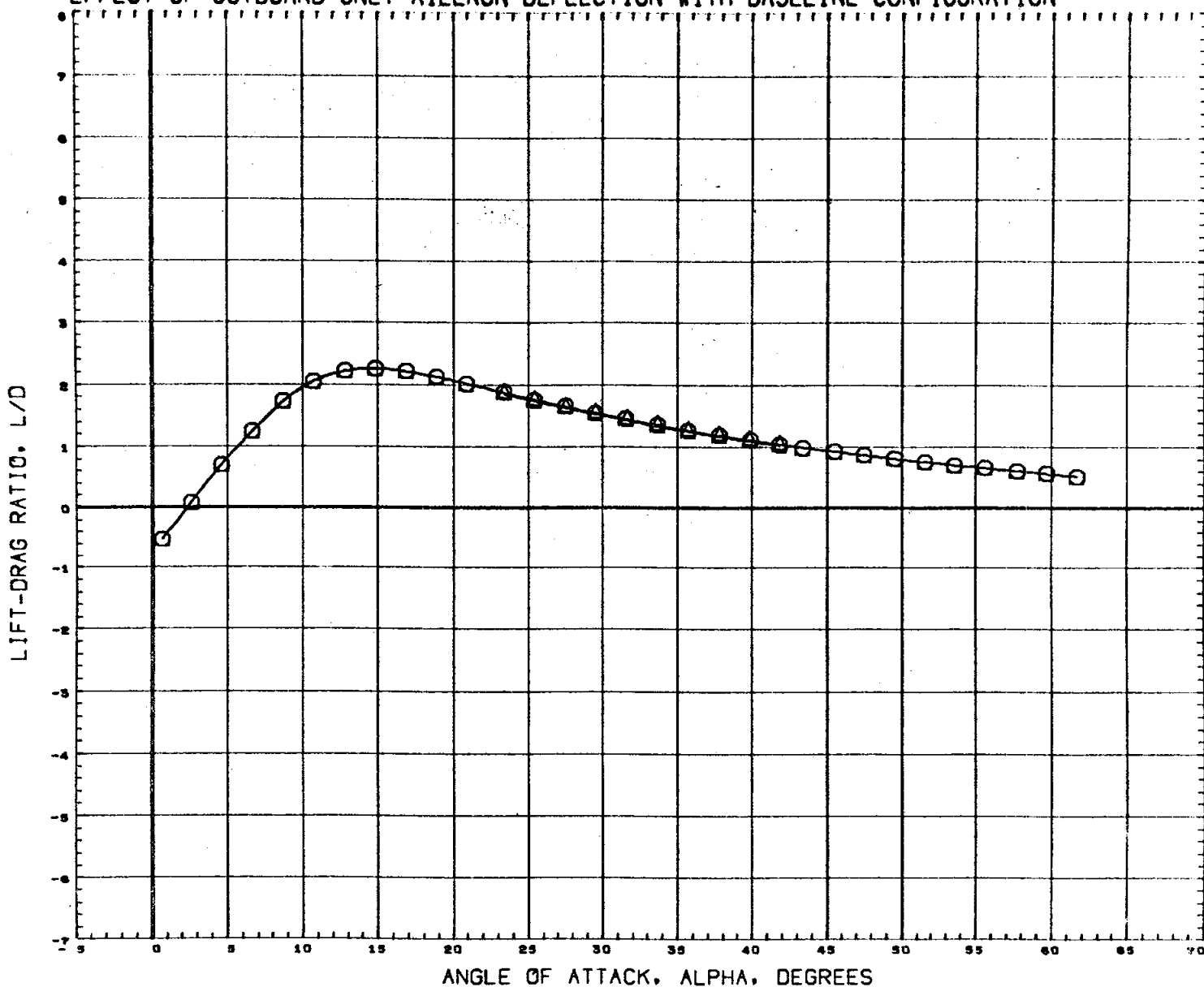


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDAIL	RUDFLR	OBDLV	REFERENCE INFORMATION	
(C76308)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(C76521)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	10.000	0.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 2.99

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EFFECT OF OUTBOARD ONLY AILERON DEFLECTION WITH BASELINE CONFIGURATION

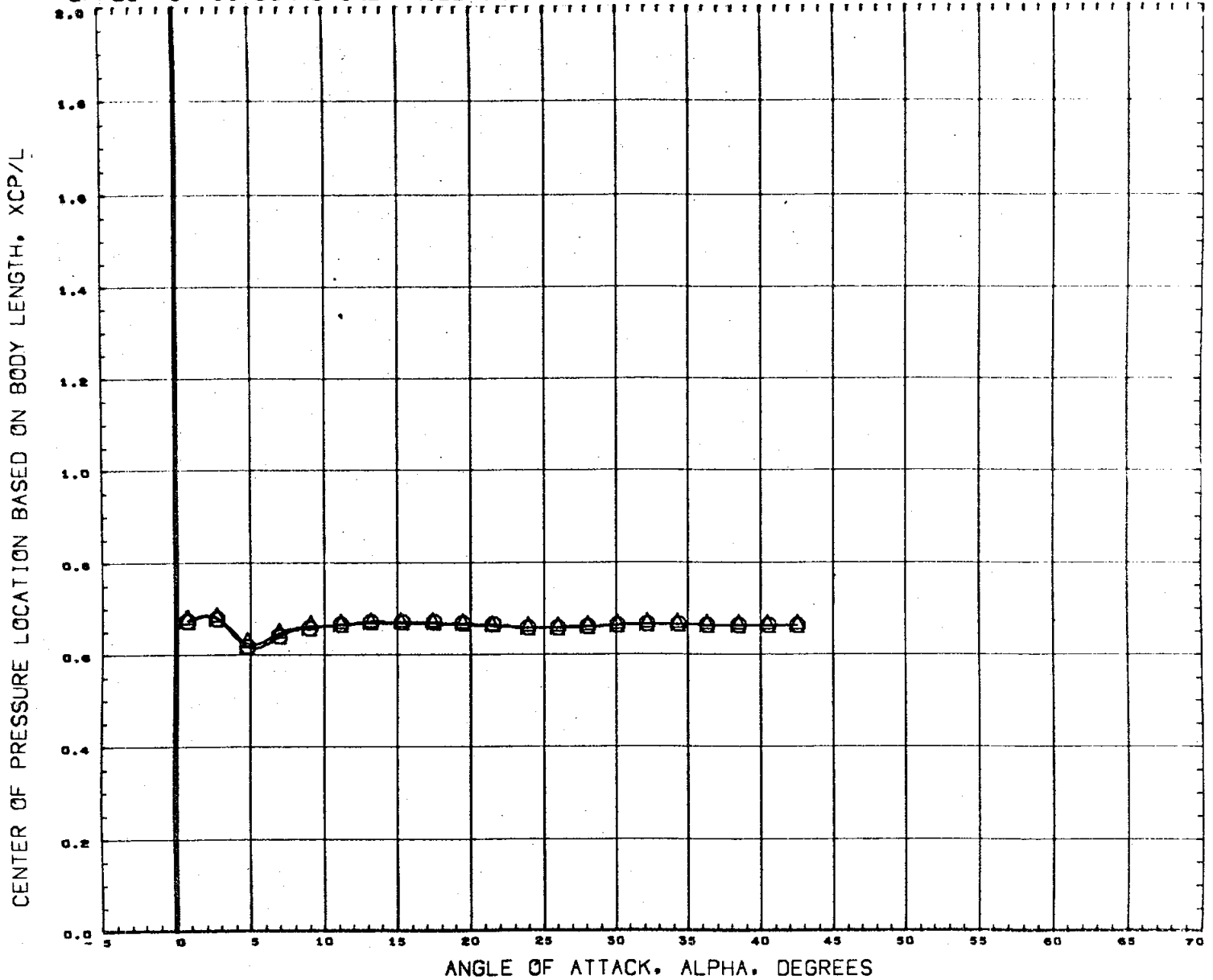


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(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190	59.1N.
(C76321)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	10.000	0.000	LREF	2.1020	1N.
						BREF	4.0300	1N.
						XMRF	3.4530	1N.
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MACH 4.96

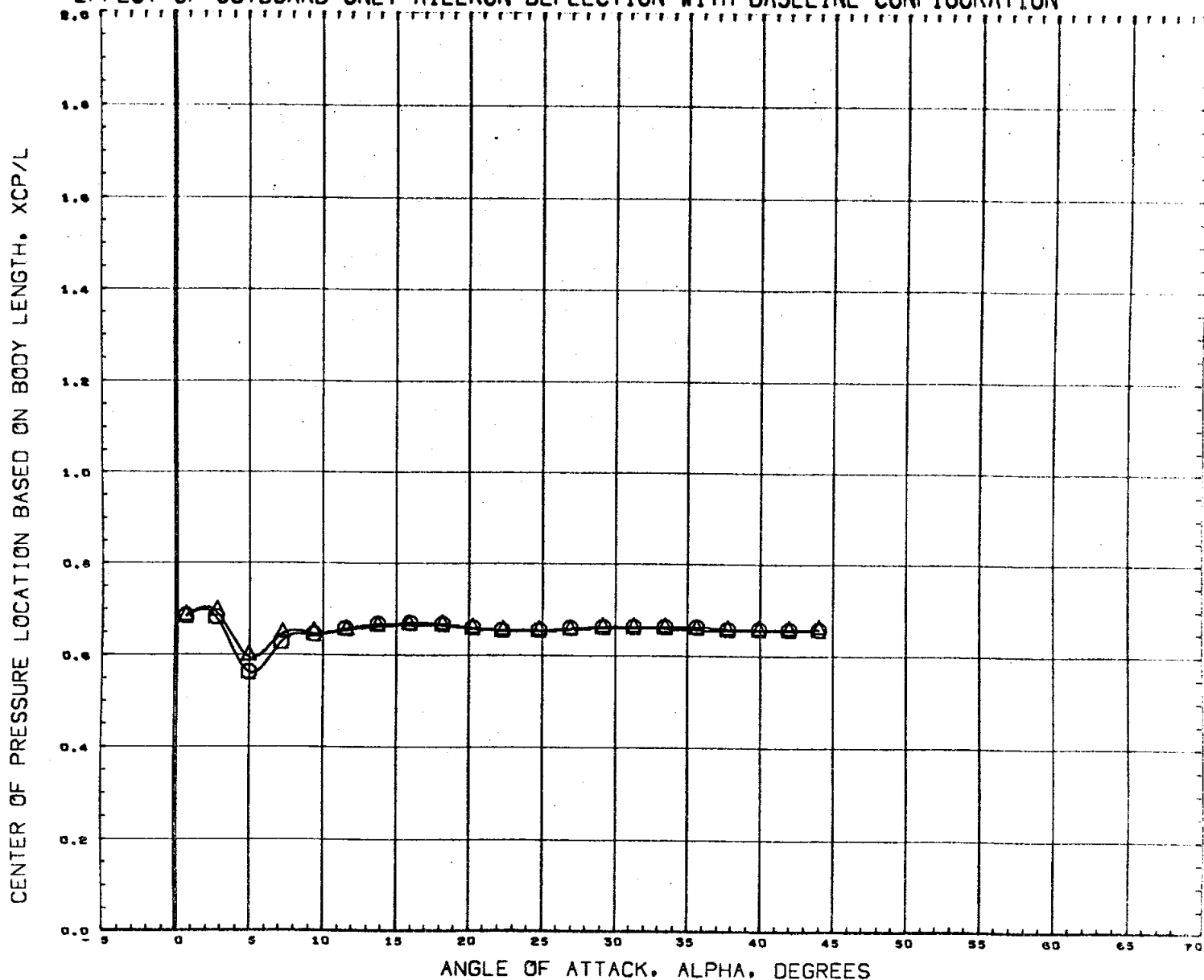
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EFFECT OF OUTBOARD ONLY AILERON DEFLECTION WITH BASELINE CONFIGURATION



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDAIL	RUDFLR	OBDLV	REFERENCE INFORMATION	
(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(C76321)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	10.000	0.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
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						ZMRRP	0.0000 IN.
						SCALE	0.0040

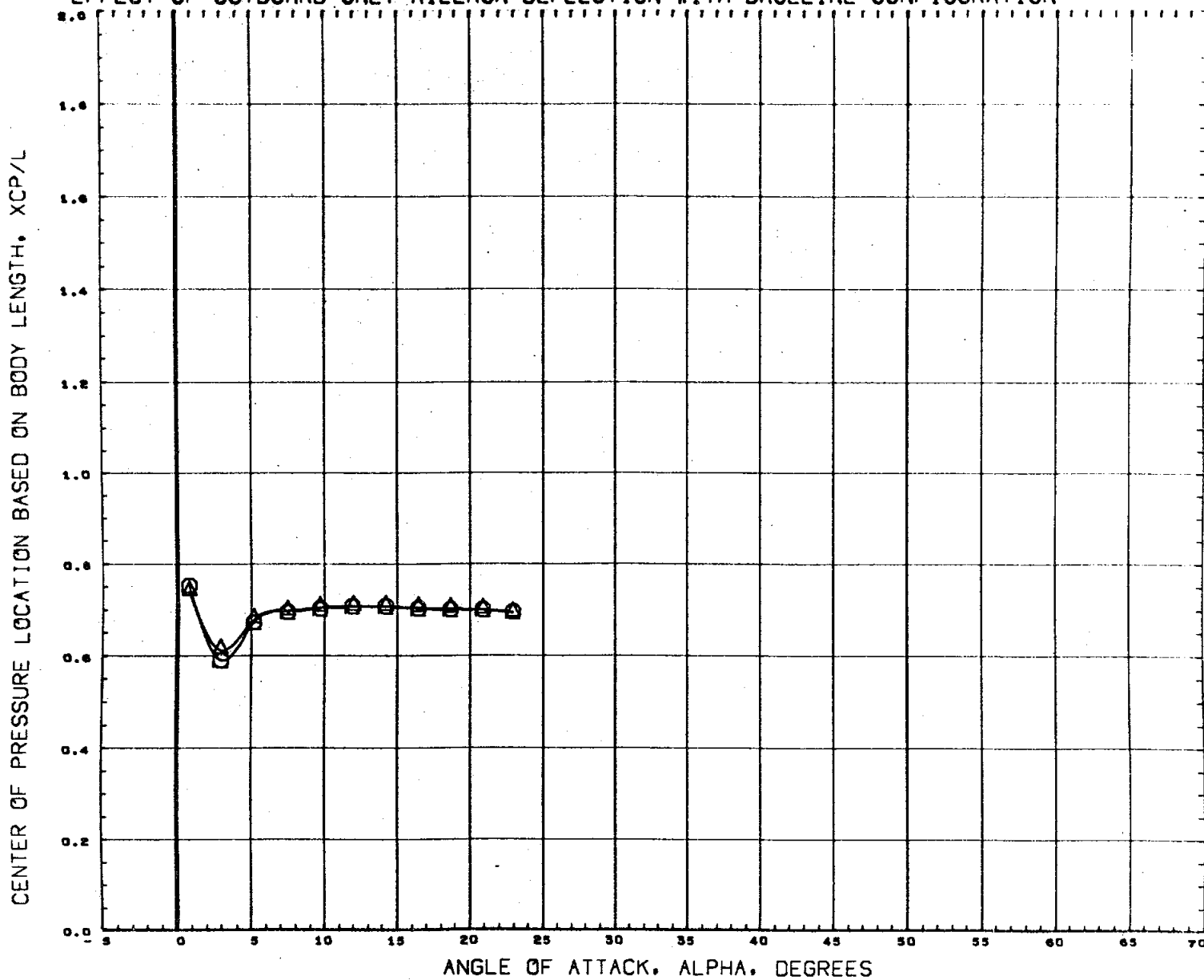
EFFECT OF OUTBOARD ONLY AILERON DEFLECTION WITH BASELINE CONFIGURATION



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDAIL	RUDFLR	OBDLV	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(C76321)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	10.000	0.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
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						SCALE	0.0040

MACH .90

EFFECT OF OUTBOARD ONLY AILERON DEFLECTION WITH BASELINE CONFIGURATION

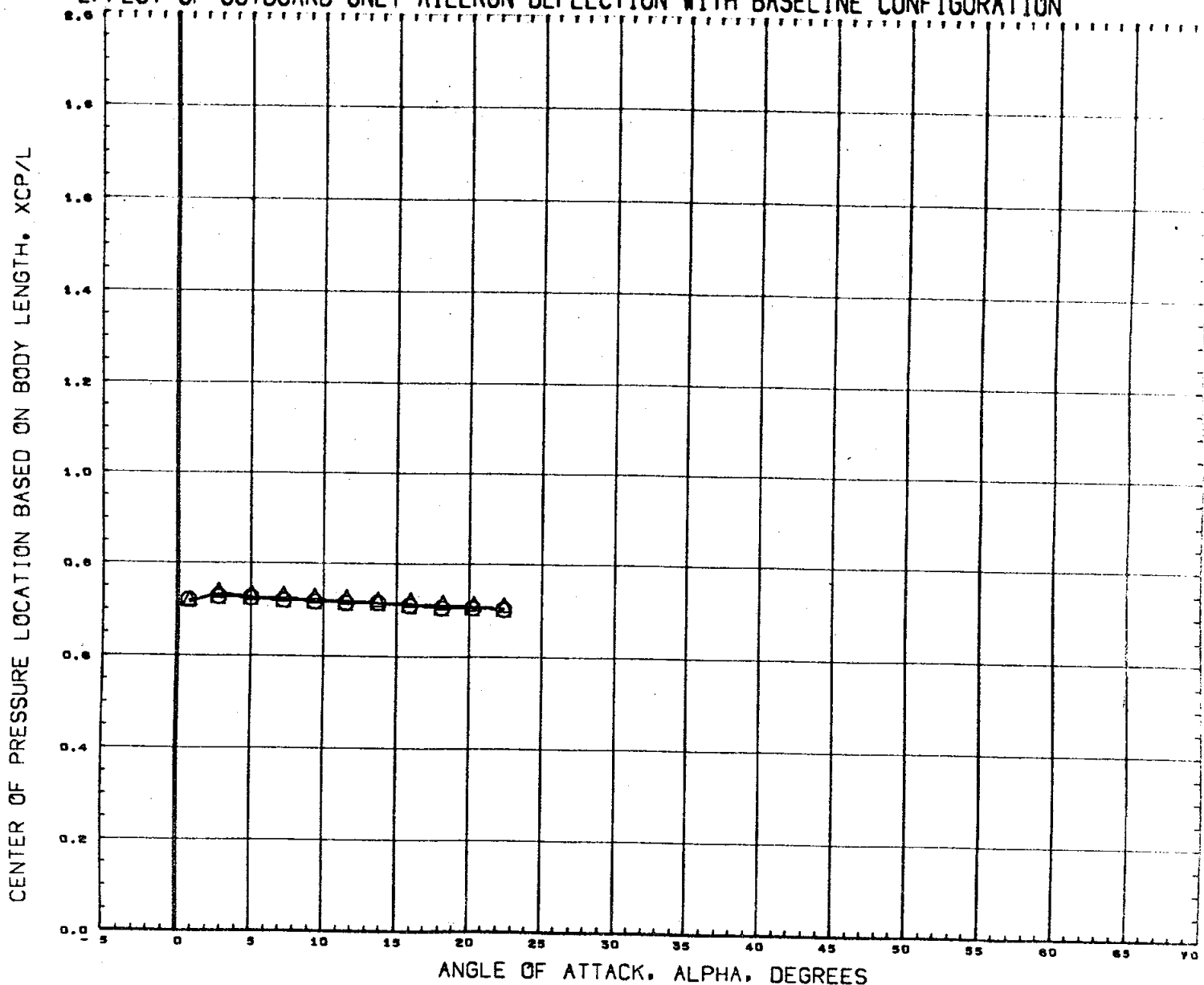


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDAIL	RUDFLR	OBDLV	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(C76321)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	10.000	0.000	LREF	2.1020 IN.
						OREF	4.0300 IN.
						XMRF	3.4530 IN.
						YMRF	0.0000 IN.
						ZMRF	0.0000 IN.
						SCALE	0.0040

MACH 1.20

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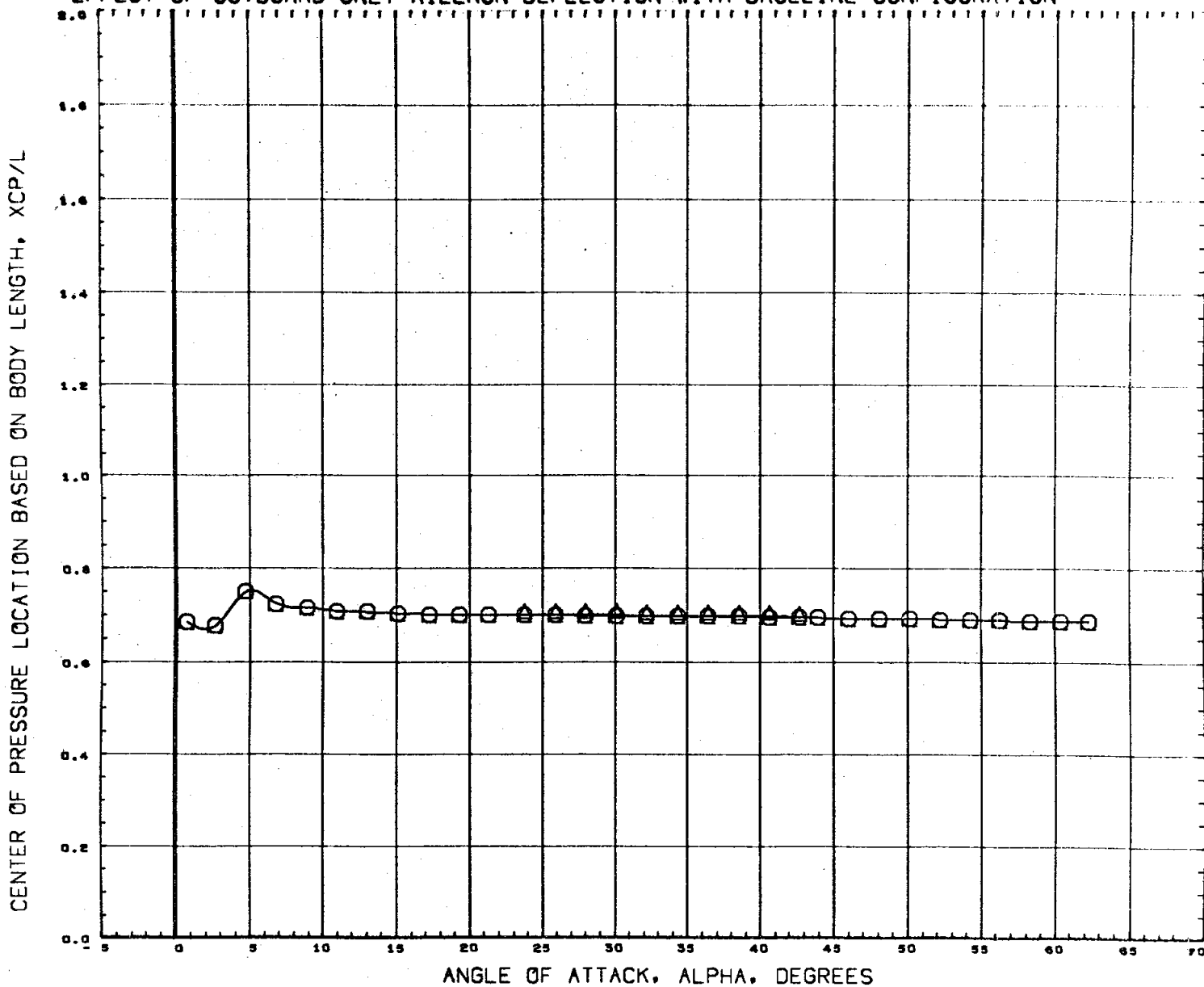
EFFECT OF OUTBOARD ONLY AILERON DEFLECTION WITH BASELINE CONFIGURATION



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDAIL	RUDFLR	OBDLV	REFERENCE INFORMATION	
(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(C76321)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	10.000	0.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 1.97

EFFECT OF OUTBOARD ONLY AILERON DEFLECTION WITH BASELINE CONFIGURATION

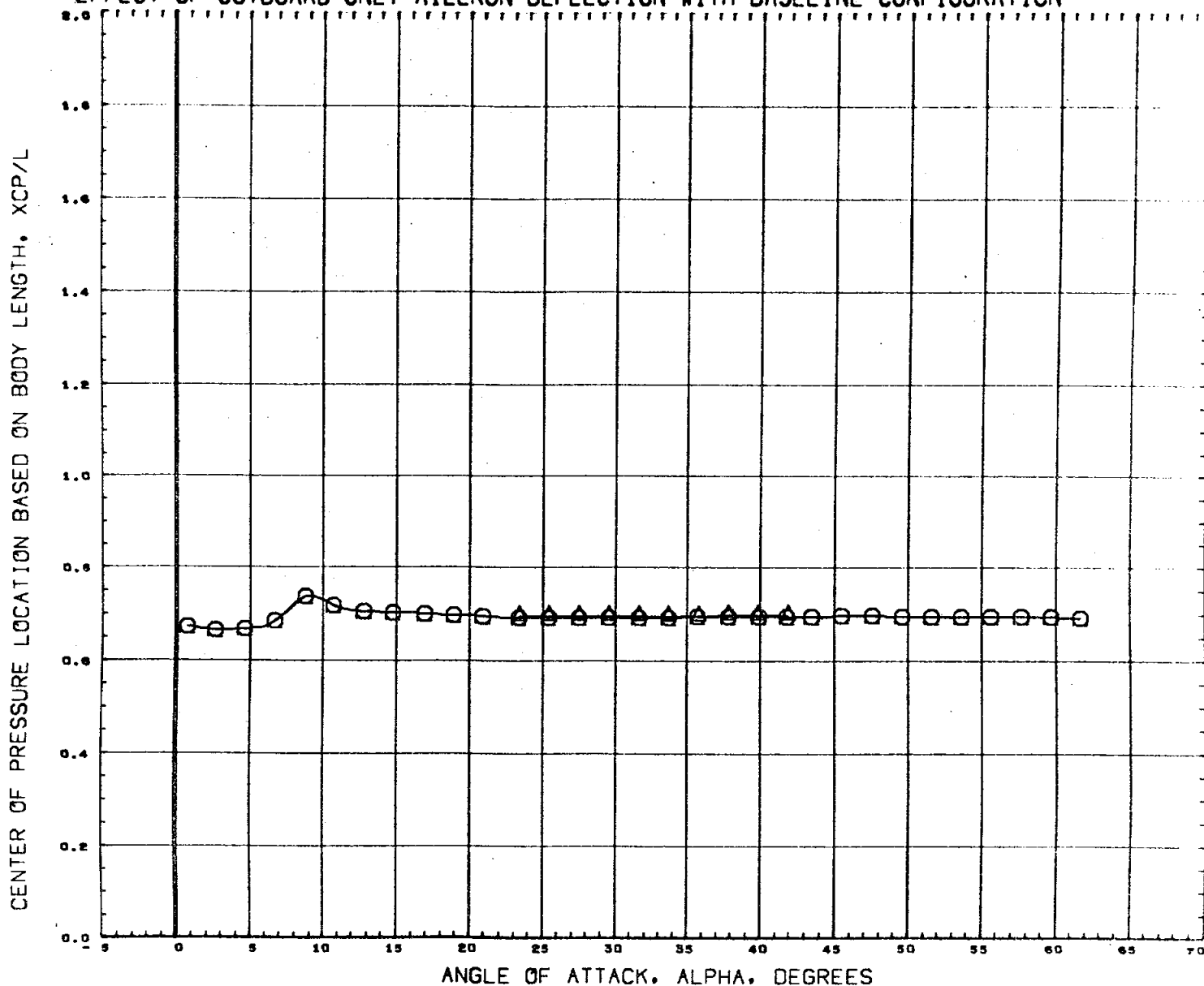


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDAIL	RUDFLR	OBDELV	REFERENCE INFORMATION	
(C76308)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(C76321)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	10.000	0.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 2.99

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EFFECT OF OUTBOARD ONLY AILERON DEFLECTION WITH BASELINE CONFIGURATION

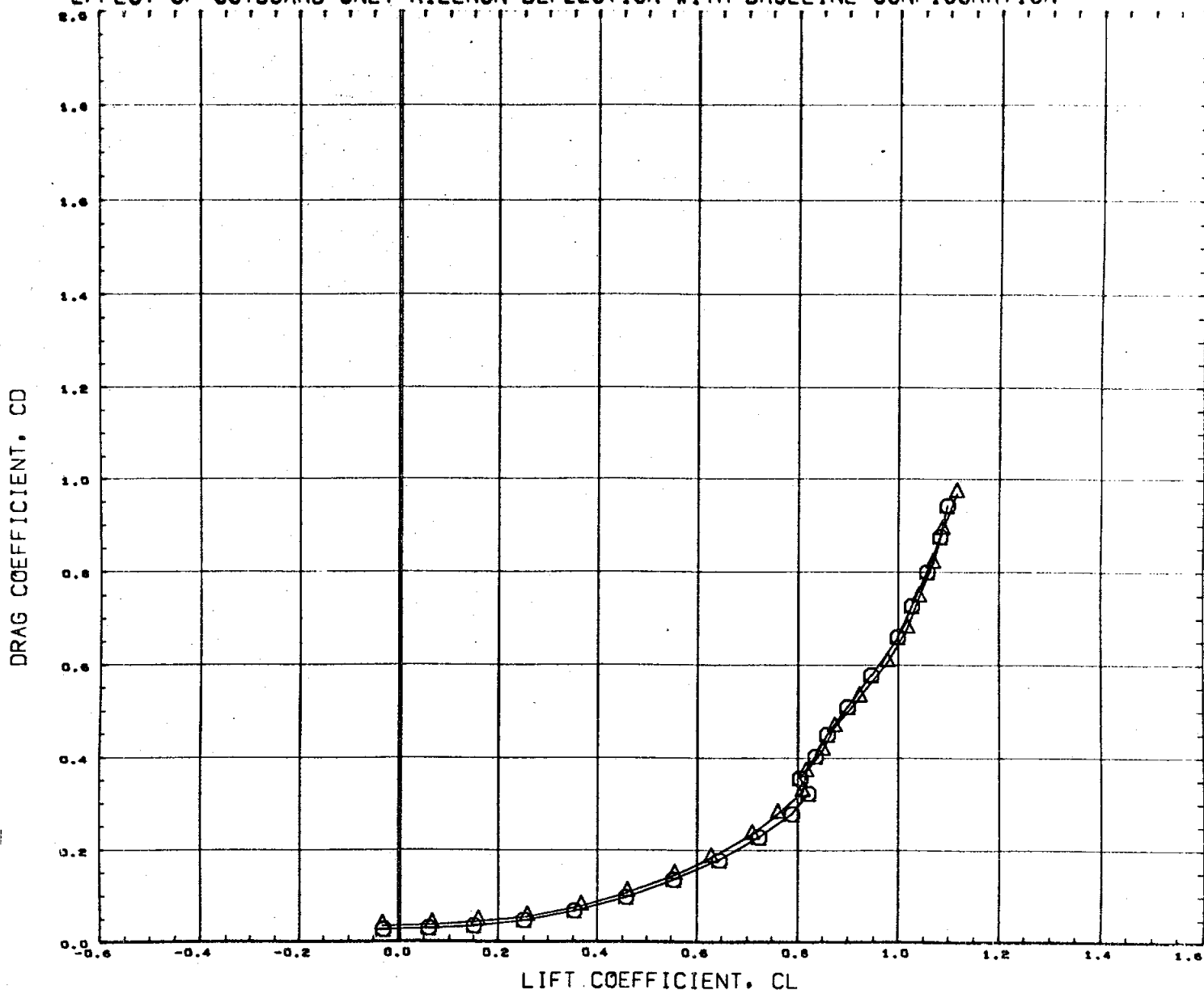


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDAIL	RUDFLR	OBDELV	REFERENCE INFORMATION	
(C76309)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(C76321)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	10.000	0.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 4.96

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EFFECT OF OUTBOARD ONLY AILERON DEFLECTION WITH BASELINE CONFIGURATION



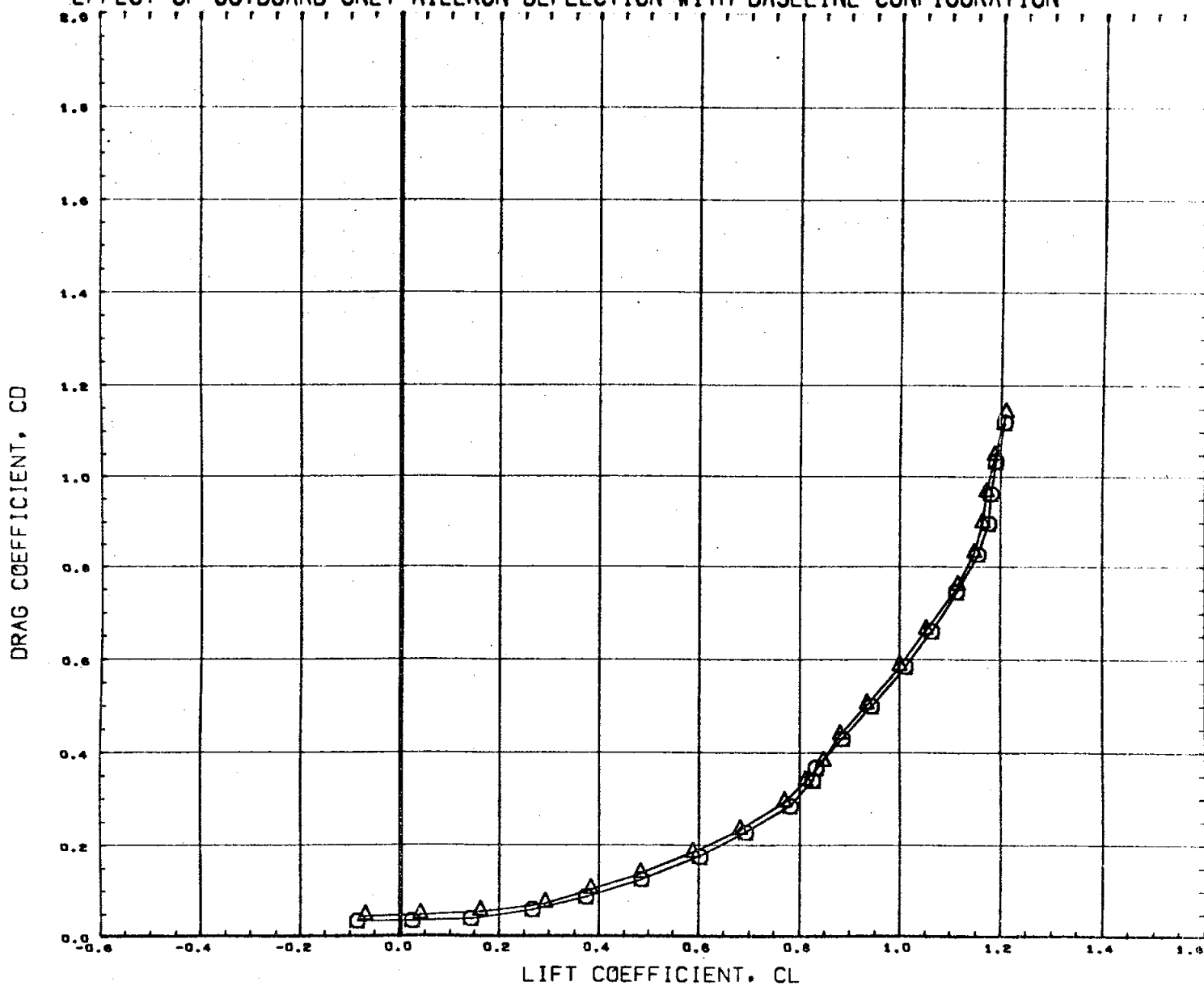
LIFT COEFFICIENT, CL

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDAIL	RUDFLR	OBDELV	REFERENCE INFORMATION	
(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(C76521)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	10.000	0.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

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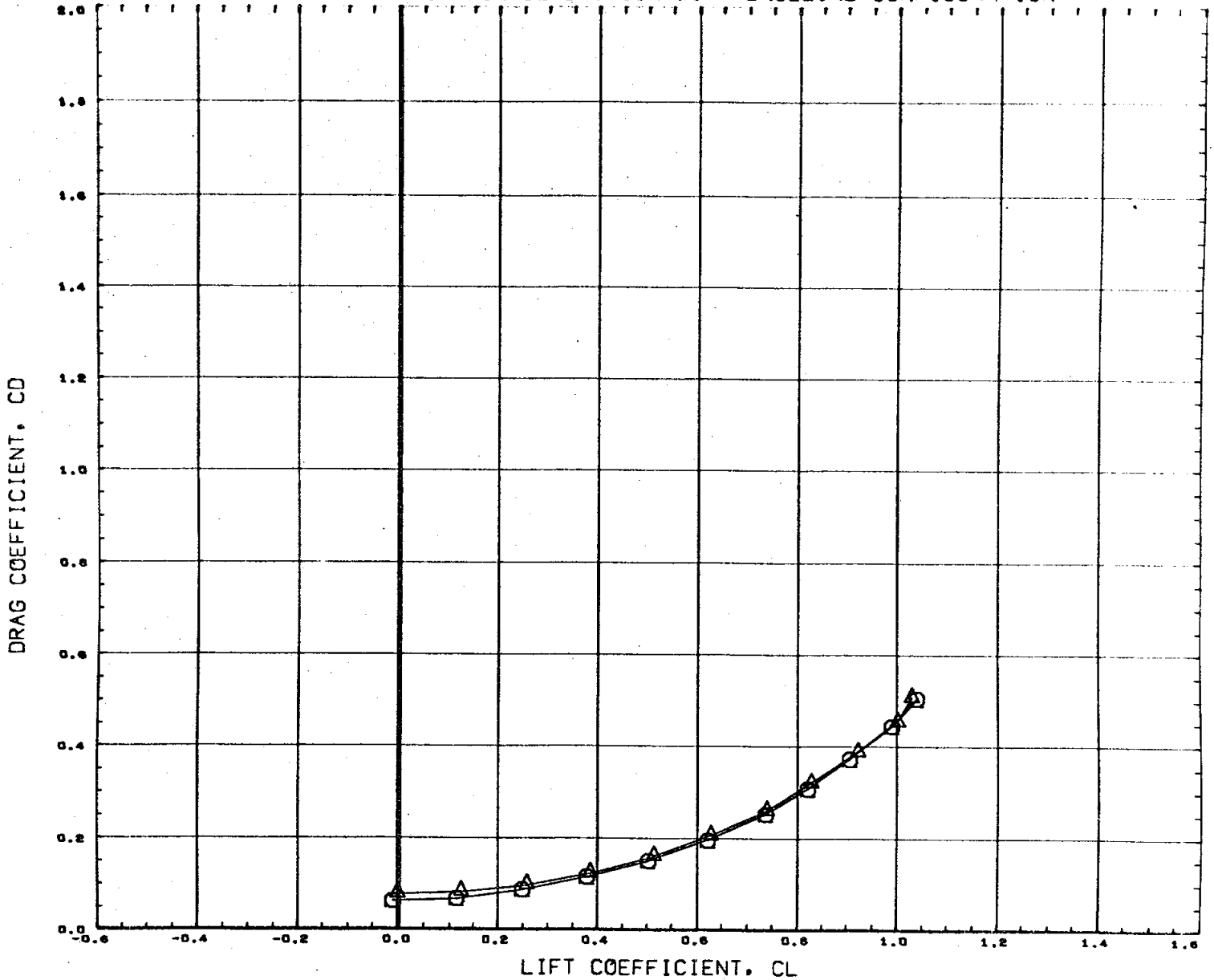
EFFECT OF OUTBOARD ONLY AILERON DEFLECTION WITH BASELINE CONFIGURATION



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDAIL	RUDFLR	OBDLV	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(C76521)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	10.000	0.000	LREF	2.1020 IN.
						BREF	4.0308 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
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MACH .90

EFFECT OF OUTBOARD ONLY AILERON DEFLECTION WITH BASELINE CONFIGURATION

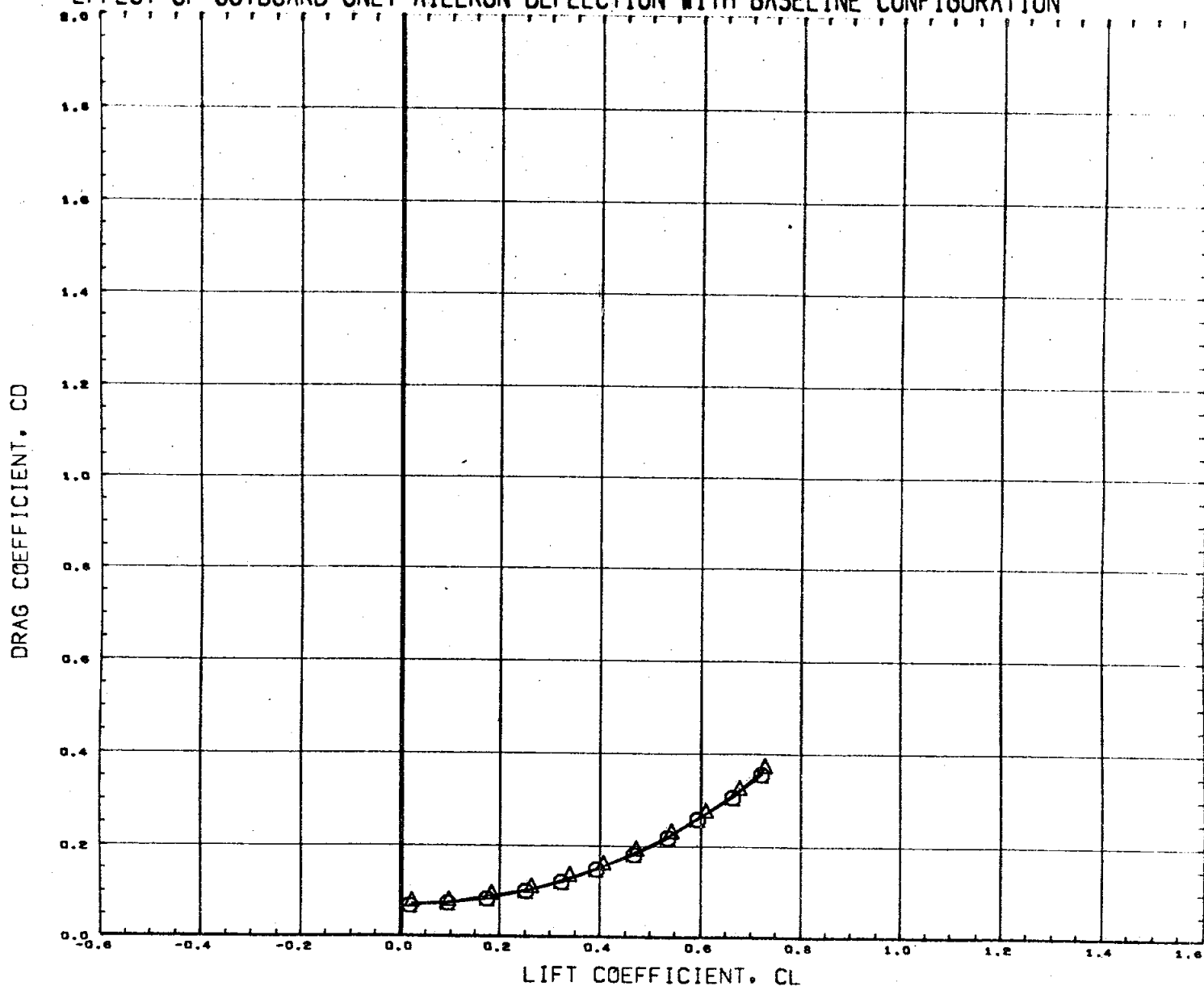


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDAIL	RUOFLR	OBDELV	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(C76321)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	10.000	0.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 1.20

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EFFECT OF OUTBOARD ONLY AILERON DEFLECTION WITH BASELINE CONFIGURATION

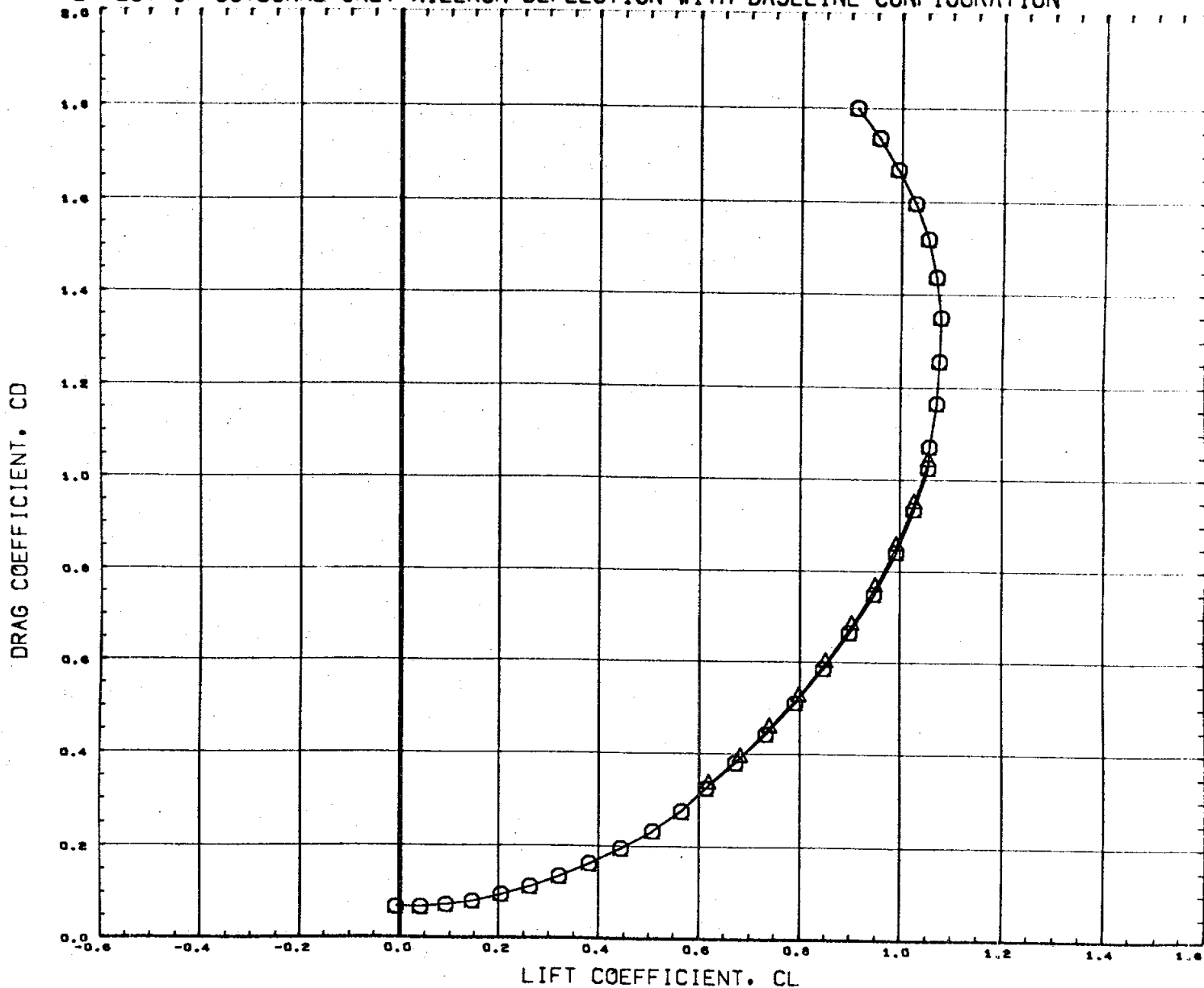


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDAIL	RUDFLR	OBDELV	REFERENCE INFORMATION		
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190	SQ. IN.
(C76321)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	10.000	0.000	LREF	2.1020	IN.
						BREF	4.0300	IN.
						XMRP	3.4530	IN.
						YMRP	0.0000	IN.
						ZMRP	0.0000	IN.
						SCALE	0.0040	

MACH 1.97

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EFFECT OF OUTBOARD ONLY AILERON DEFLECTION WITH BASELINE CONFIGURATION

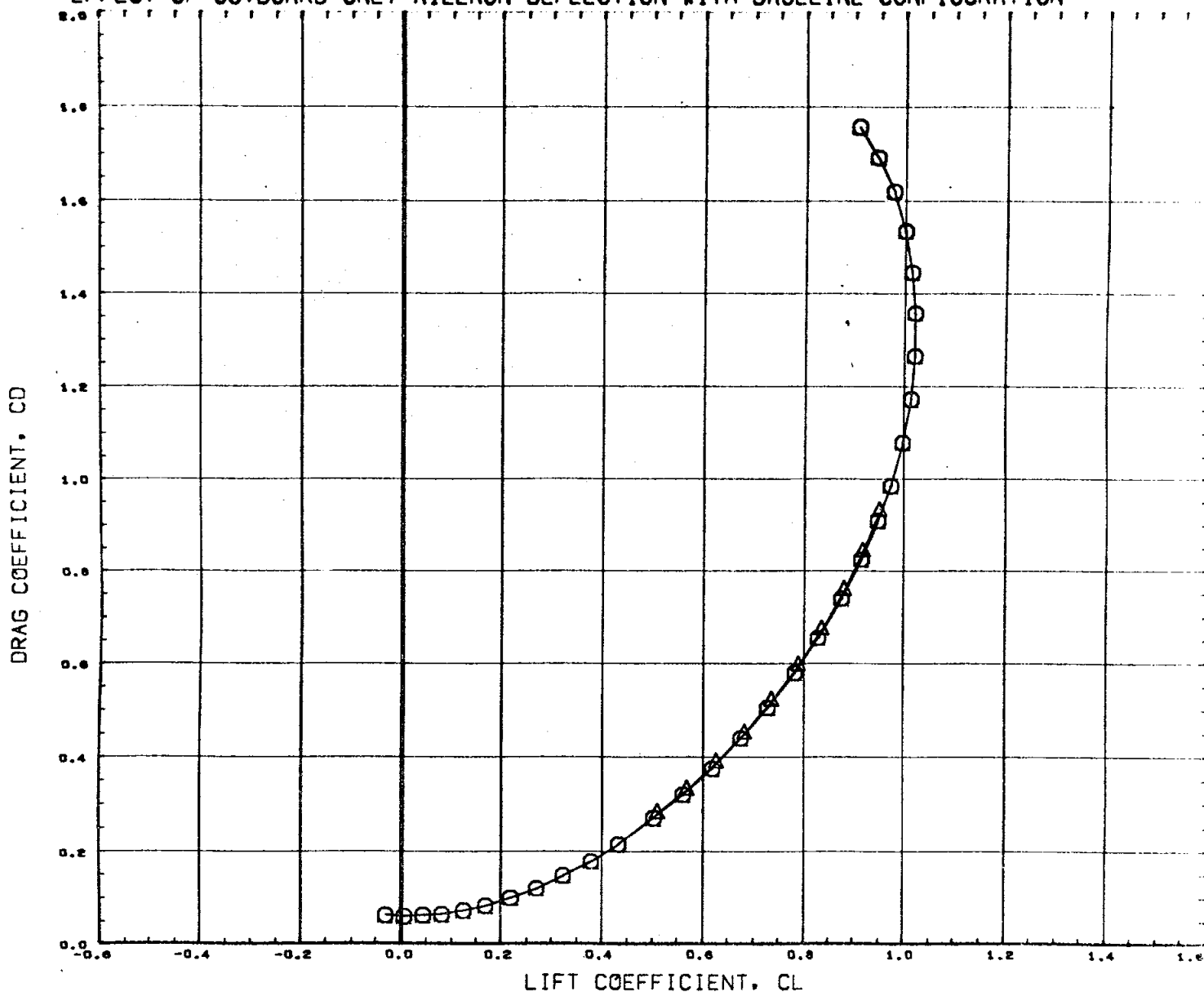


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDAIL	RUDFLR	OBDLV	REFERENCE INFORMATION	
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(C76521)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	10.000	0.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 2.99

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EFFECT OF OUTBOARD ONLY AILERON DEFLECTION WITH BASELINE CONFIGURATION

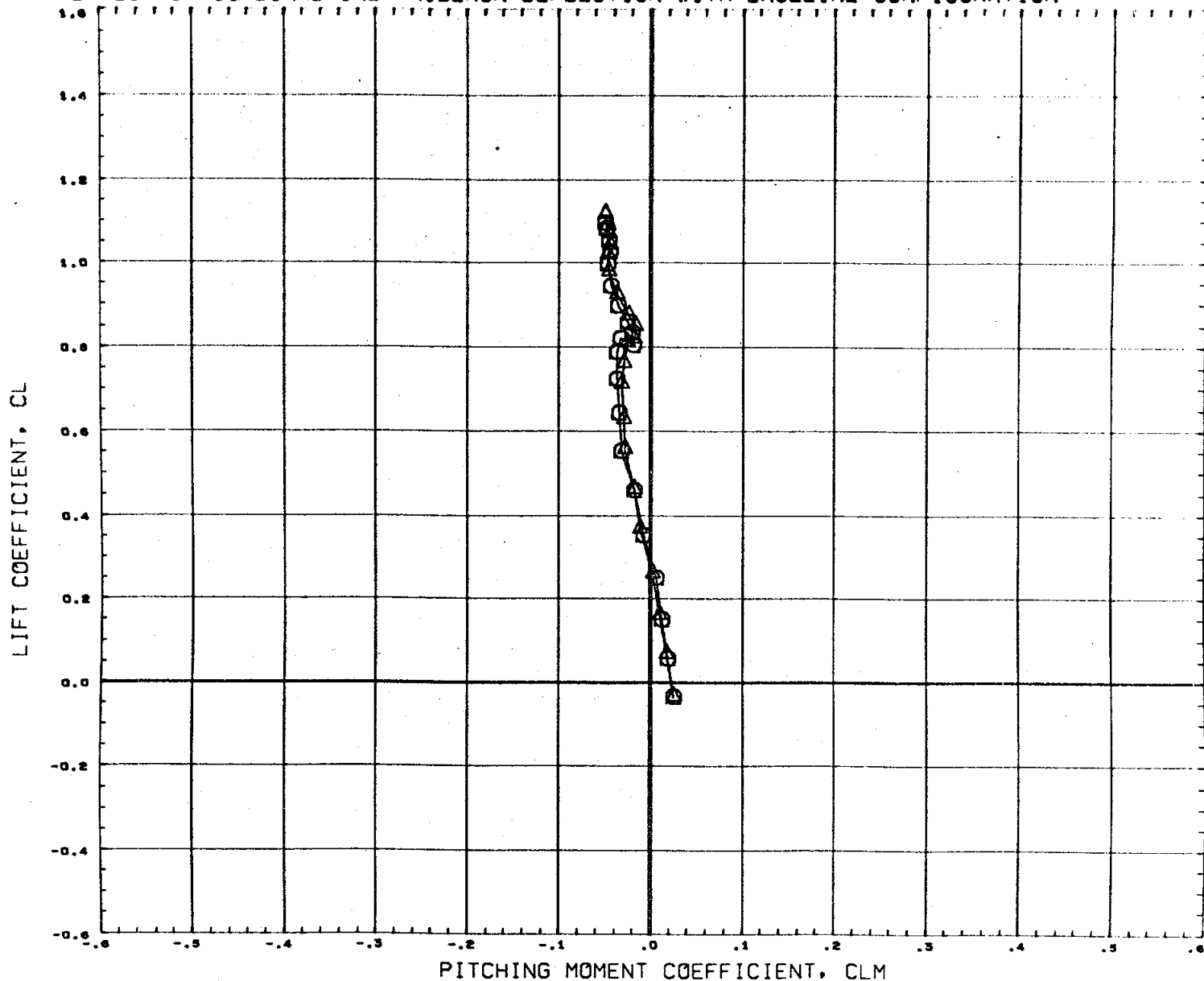


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDAIL	RUDFLR	OBDLV	REFERENCE INFORMATION	
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(C76321)	M555 (FA3) NAR ATP ORB (B1C101F1M1) (W1E1) (V1K1R1)	0.000	10.000	10.000	0.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	5.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 4.96

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EFFECT OF OUTBOARD ONLY AILERON DEFLECTION WITH BASELINE CONFIGURATION

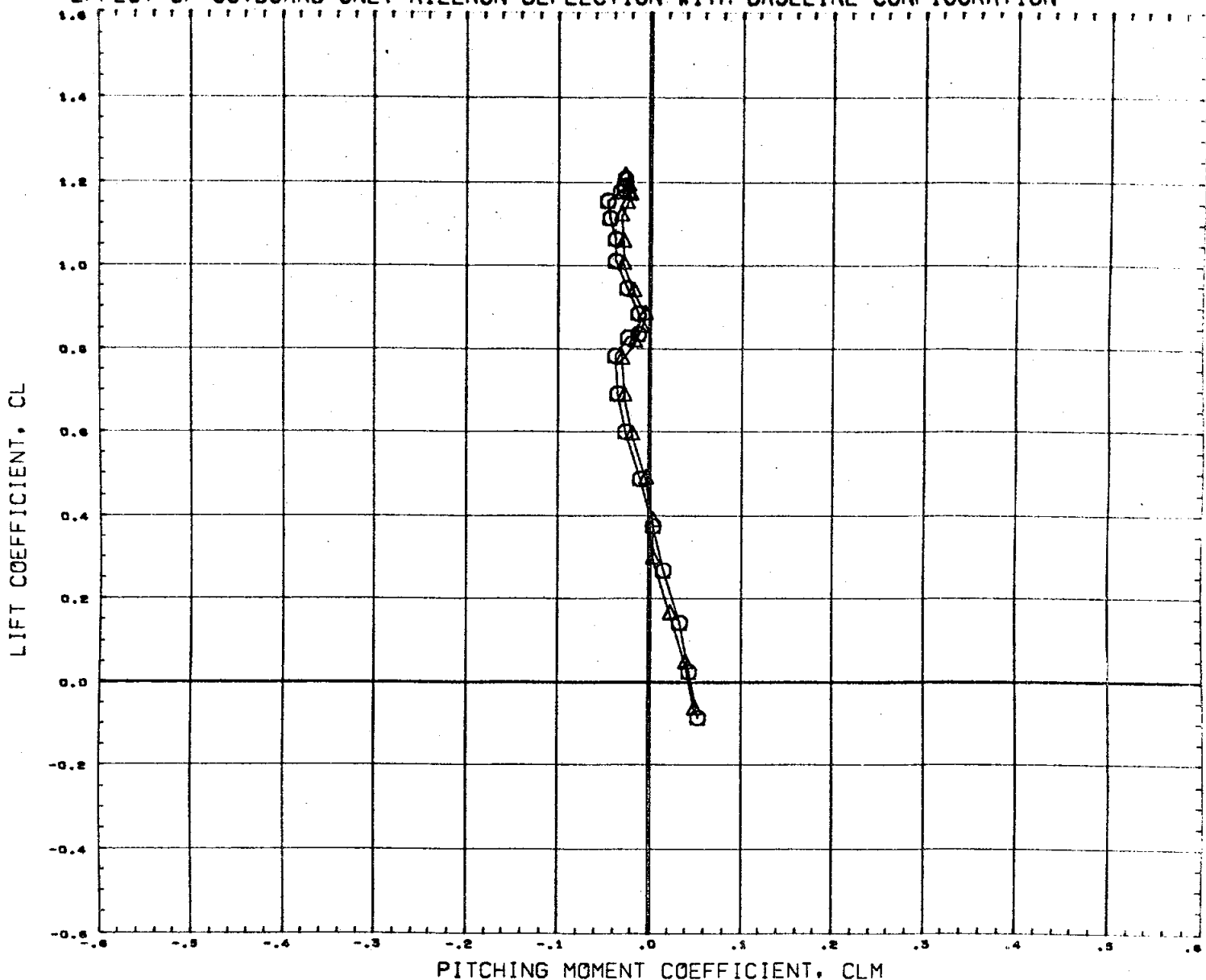


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDAIL	RUDFLR	OBDELV	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(C76321)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	10.000	0.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH .59

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EFFECT OF OUTBOARD ONLY AILERON DEFLECTION WITH BASELINE CONFIGURATION

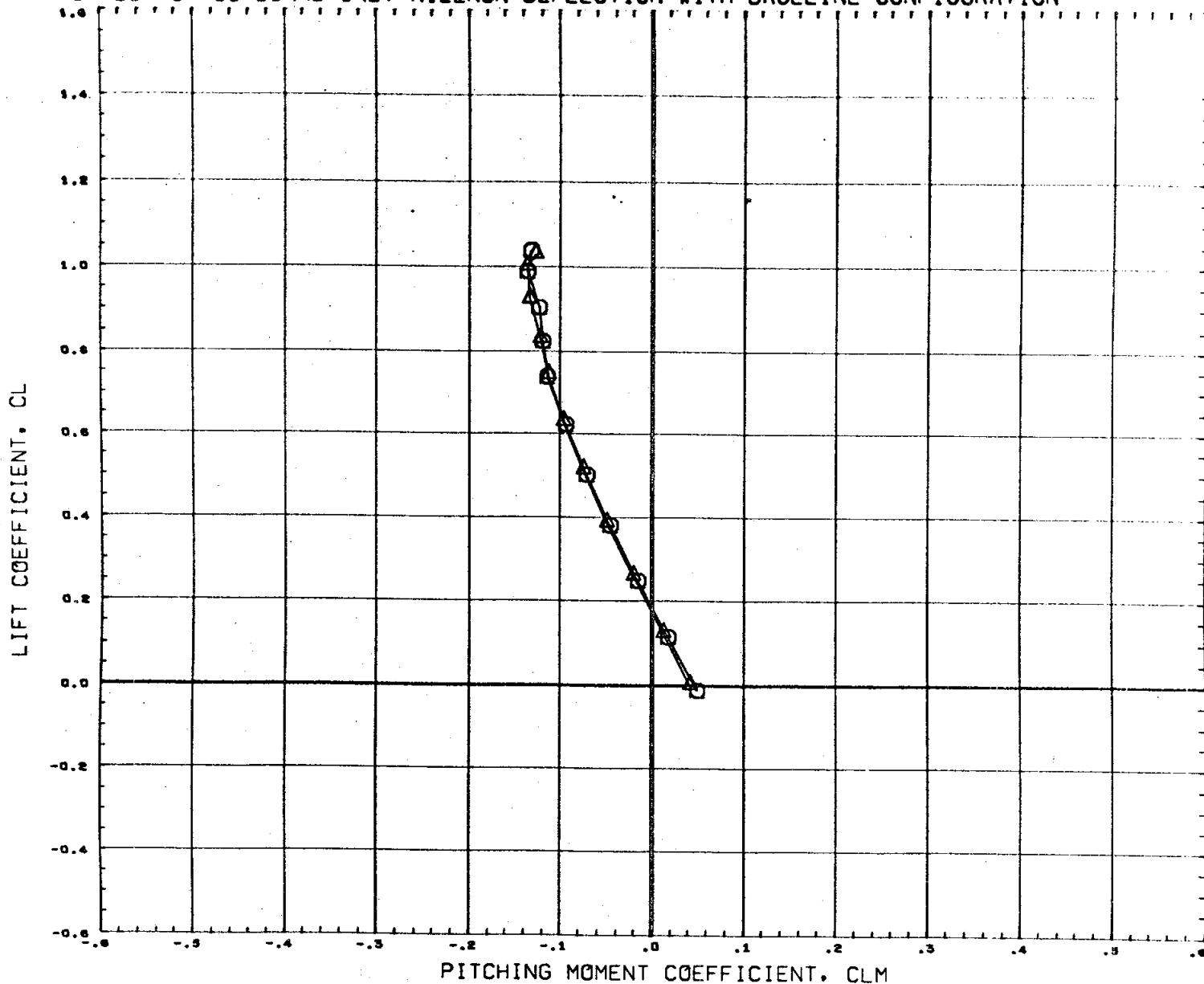


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDAIL	RUDFLR	OBDELV	REFERENCE INFORMATION	
(C76308)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190 sq. in.
(C76321)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	10.000	0.000	LREF	2.1020 in.
						BREF	4.0300 in.
						XMRP	3.4530 in.
						YMRP	0.0000 in.
						ZMRP	0.0000 in.
						SCALE	0.0040

MACH .90

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EFFECT OF OUTBOARD ONLY AILERON DEFLECTION WITH BASELINE CONFIGURATION

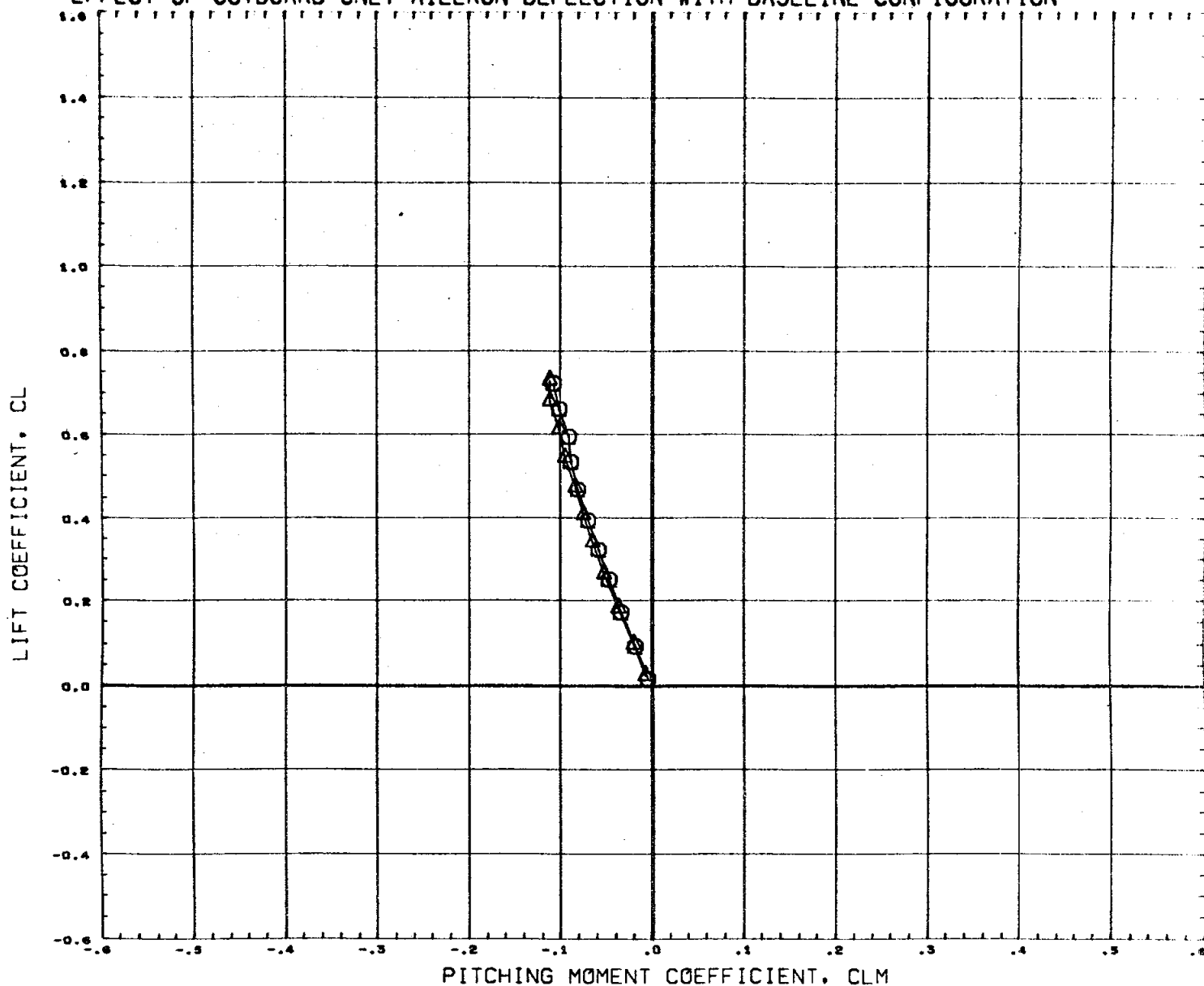


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDAIL	RUDFLR	OBDELV	REFERENCE INFORMATION	
(C76505)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(C76521)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	10.000	0.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 1.20

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EFFECT OF OUTBOARD ONLY AILERON DEFLECTION WITH BASELINE CONFIGURATION

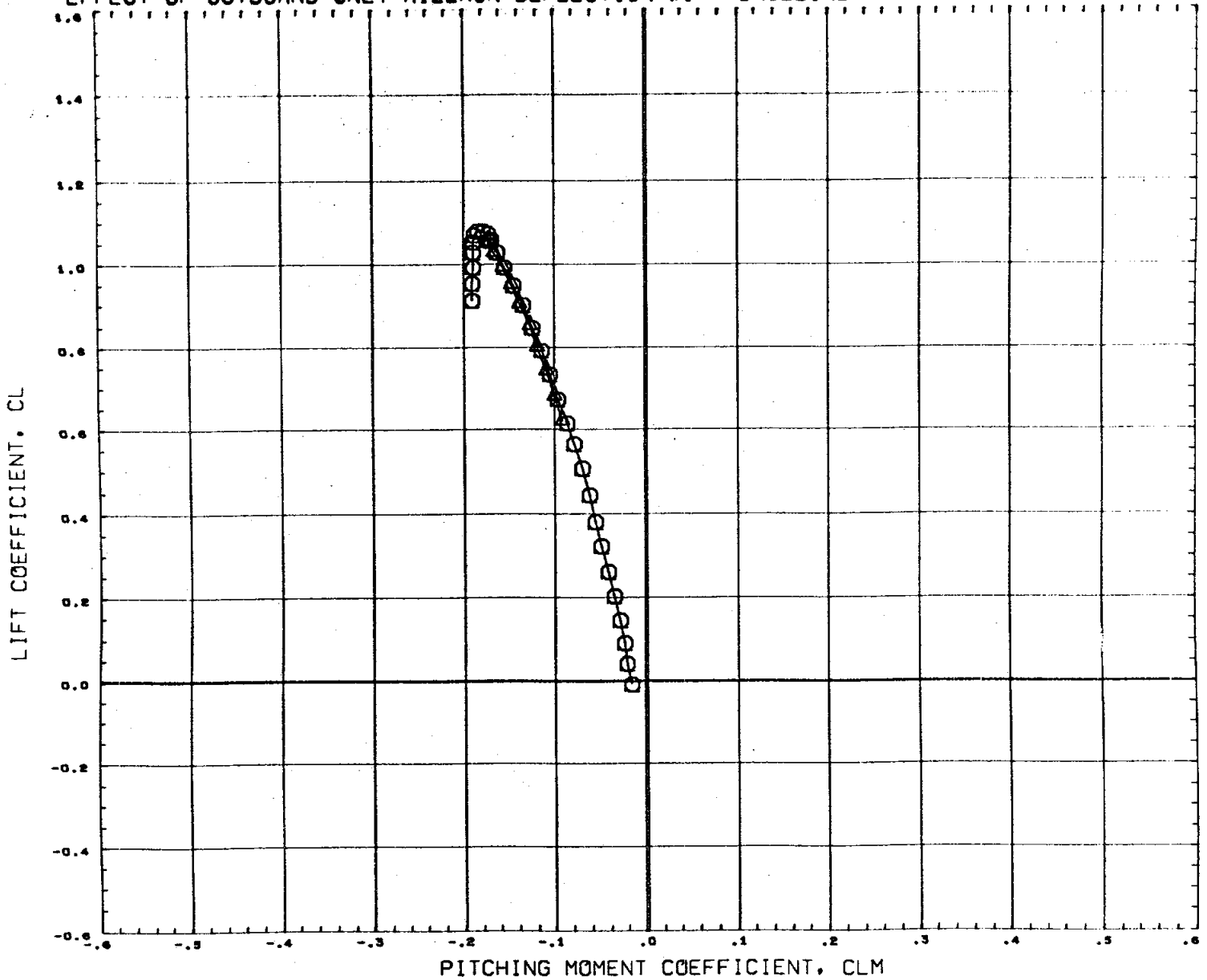


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDAIL	RUDFLR	OBDLV	REFERENCE INFORMATION	
(C76303)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(C76521)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	10.000	0.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 1.97

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EFFECT OF OUTBOARD ONLY AILERON DEFLECTION WITH BASELINE CONFIGURATION

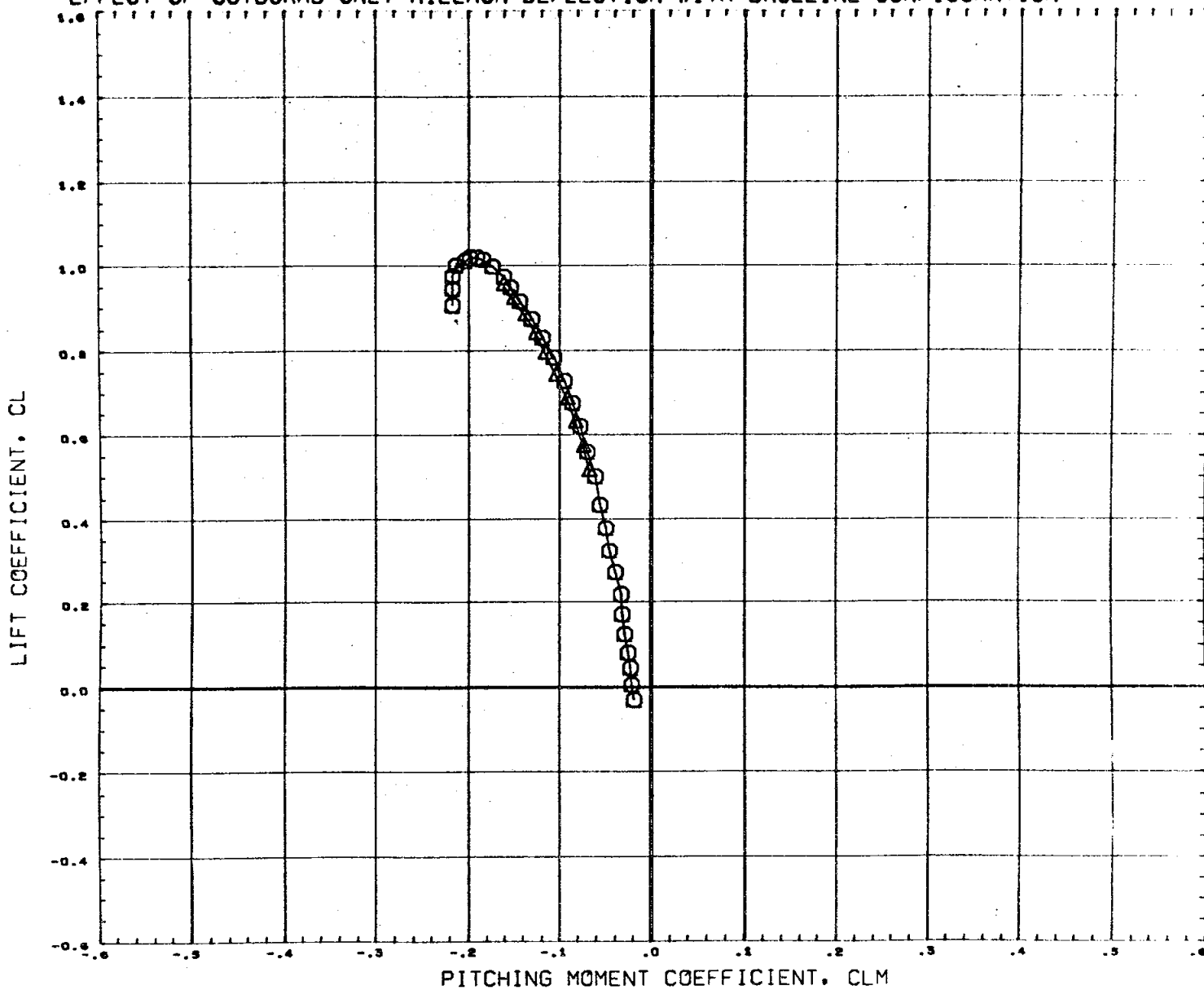


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDAIL	RUDFLR	OBDLV	REFERENCE INFORMATION		
(C76305)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190	SQ.1N.
(C76321)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	10.000	0.000	LREF	2.1020	IN.
						BREF	4.0300	IN.
						XMRF	3.4530	IN.
						YMRF	0.0000	IN.
						ZMRF	0.0000	IN.
						SCALE	0.0040	

MACH 2.99

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EFFECT OF OUTBOARD ONLY AILERON DEFLECTION WITH BASELINE CONFIGURATION

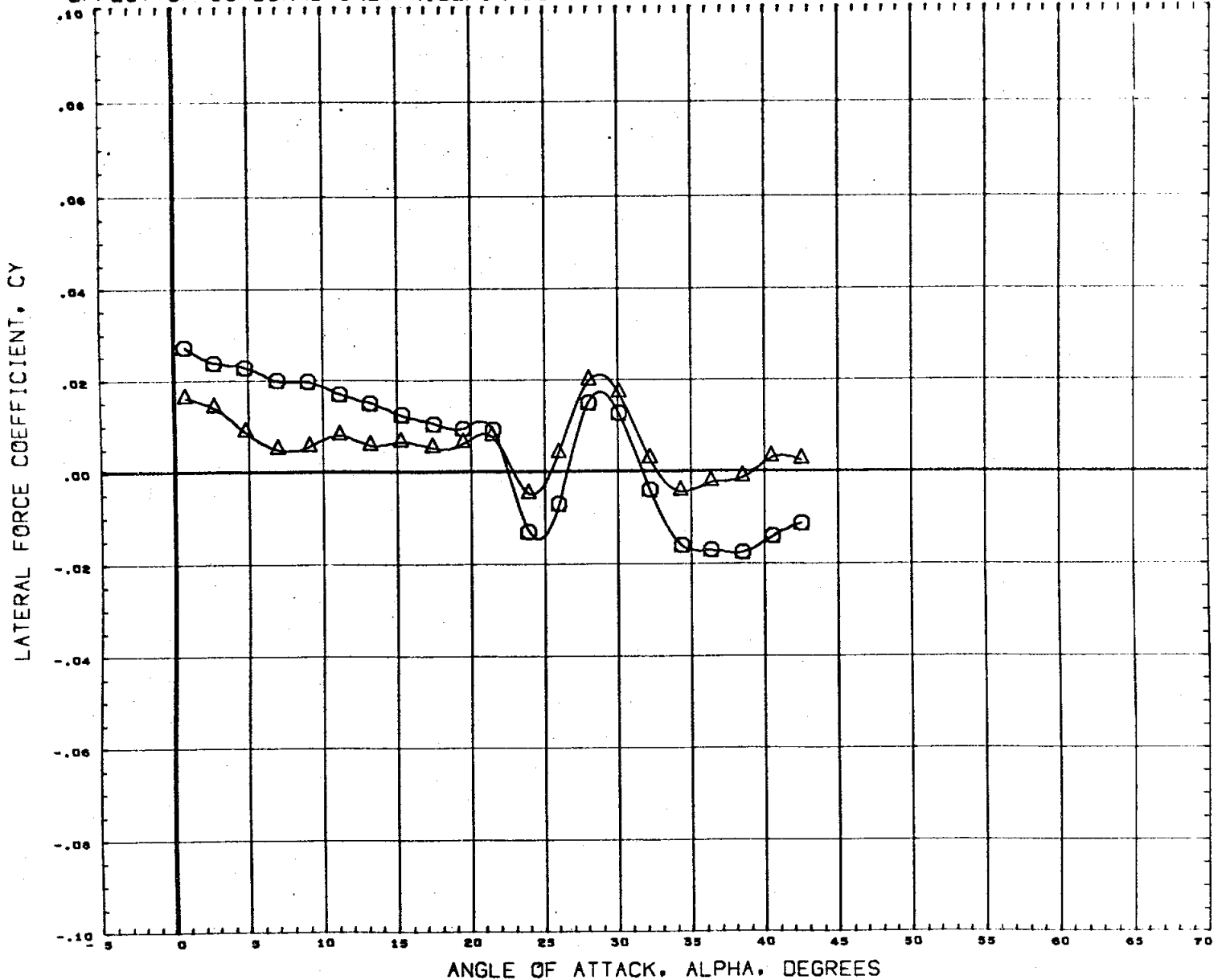


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDAIL	RUDFLR	OBDLV	REFERENCE INFORMATION	
(C76305)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(C76521)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	10.000	0.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 4.96

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EFFECT OF OUTBOARD ONLY AILERON DEFLECTION WITH BASELINE CONFIGURATION

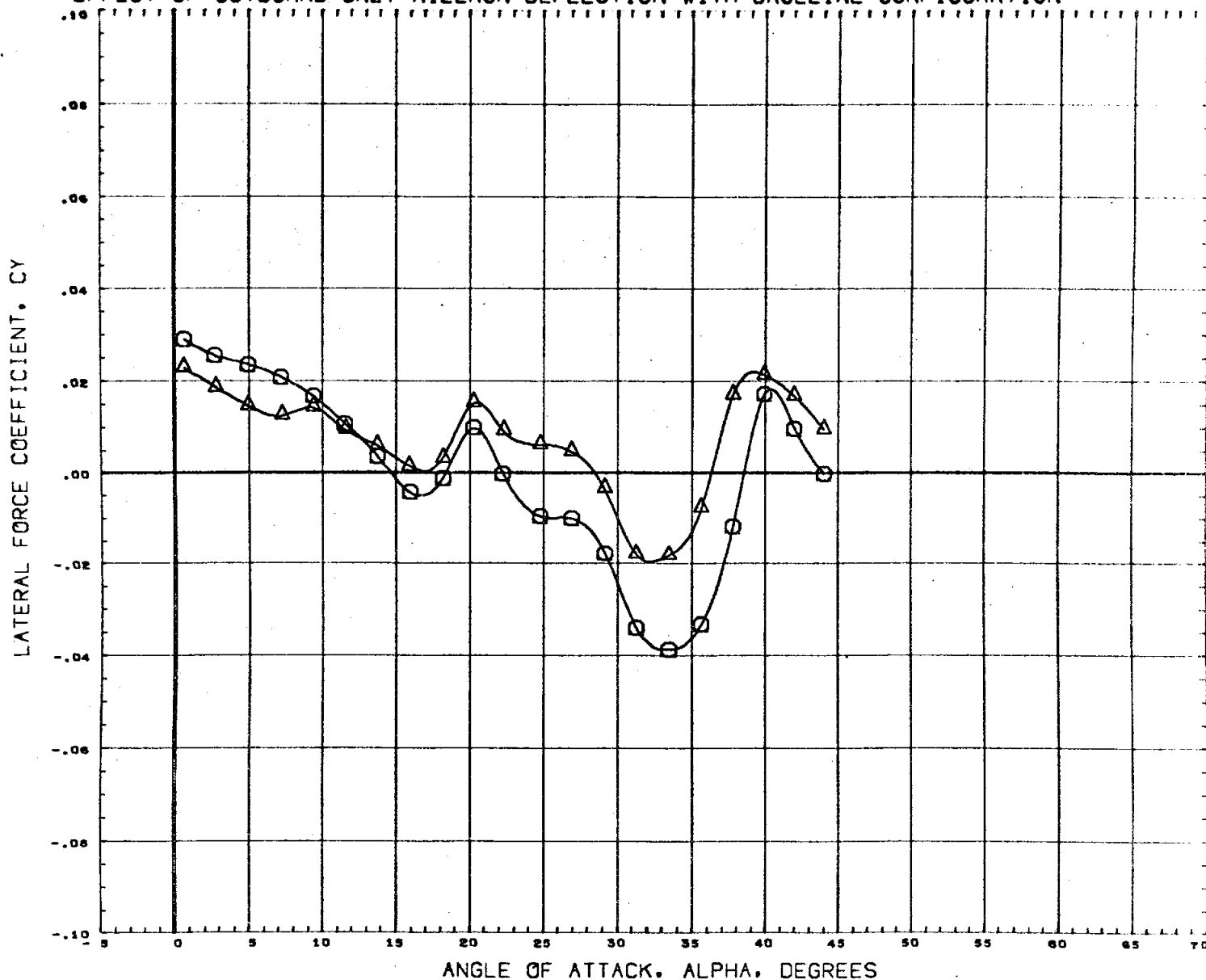


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDAIL	RUDFLR	OBDELV	REFERENCE INFORMATION	
(A76303)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(A76521)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	10.000	0.000	LREF	2.1020 IN.
						OBREF	4.0300 IN.
						XMRF	3.4530 IN.
						YMRF	0.0000 IN.
						ZMRF	0.0000 IN.
						SCALE	0.0040

MACH .59

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EFFECT OF OUTBOARD ONLY AILERON DEFLECTION WITH BASELINE CONFIGURATION

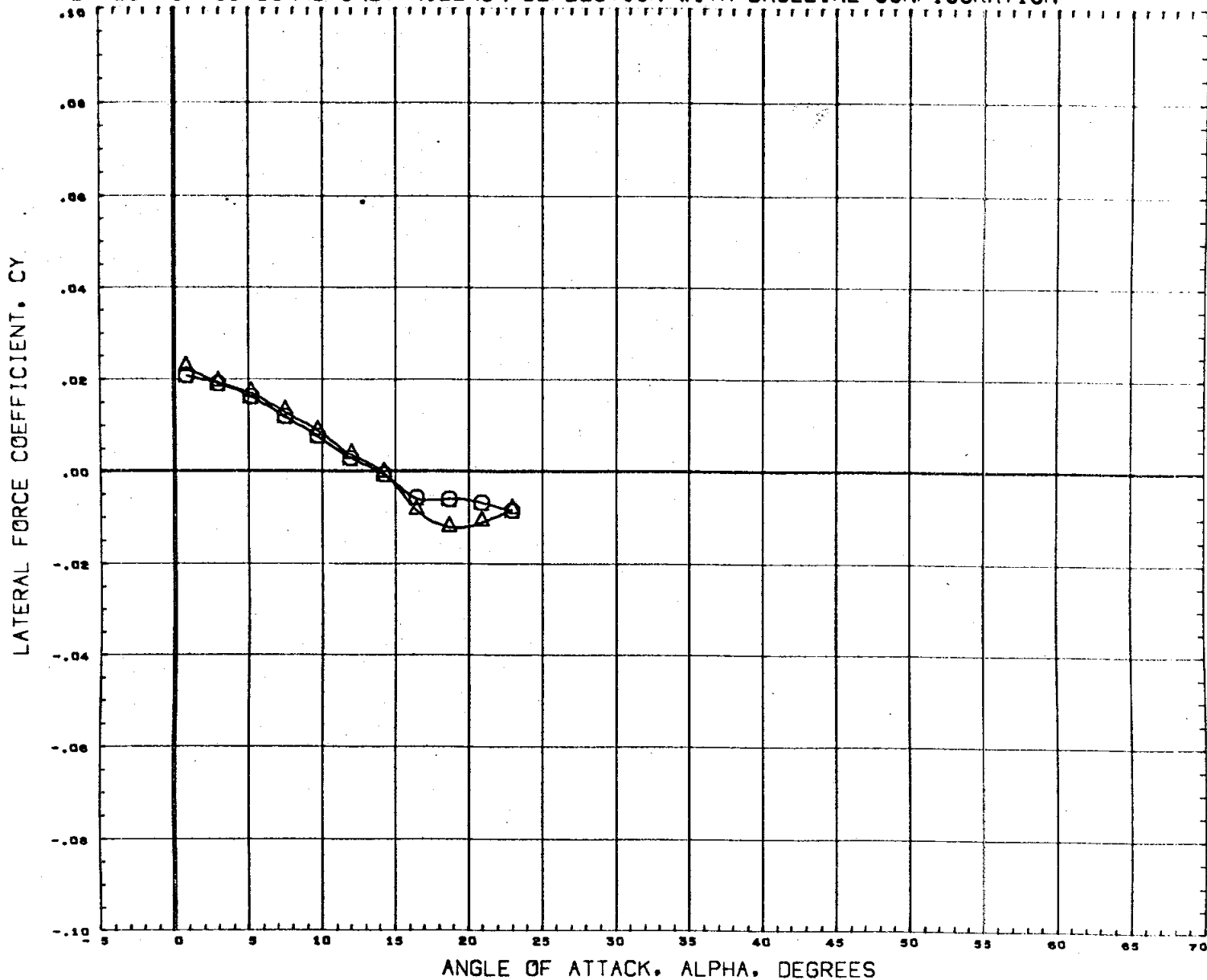


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDAIL	RUDFLR	OBDLV	REFERENCE INFORMATION	
(A76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(A76321)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	10.000	0.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH .90

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EFFECT OF OUTBOARD ONLY AILERON DEFLECTION WITH BASELINE CONFIGURATION

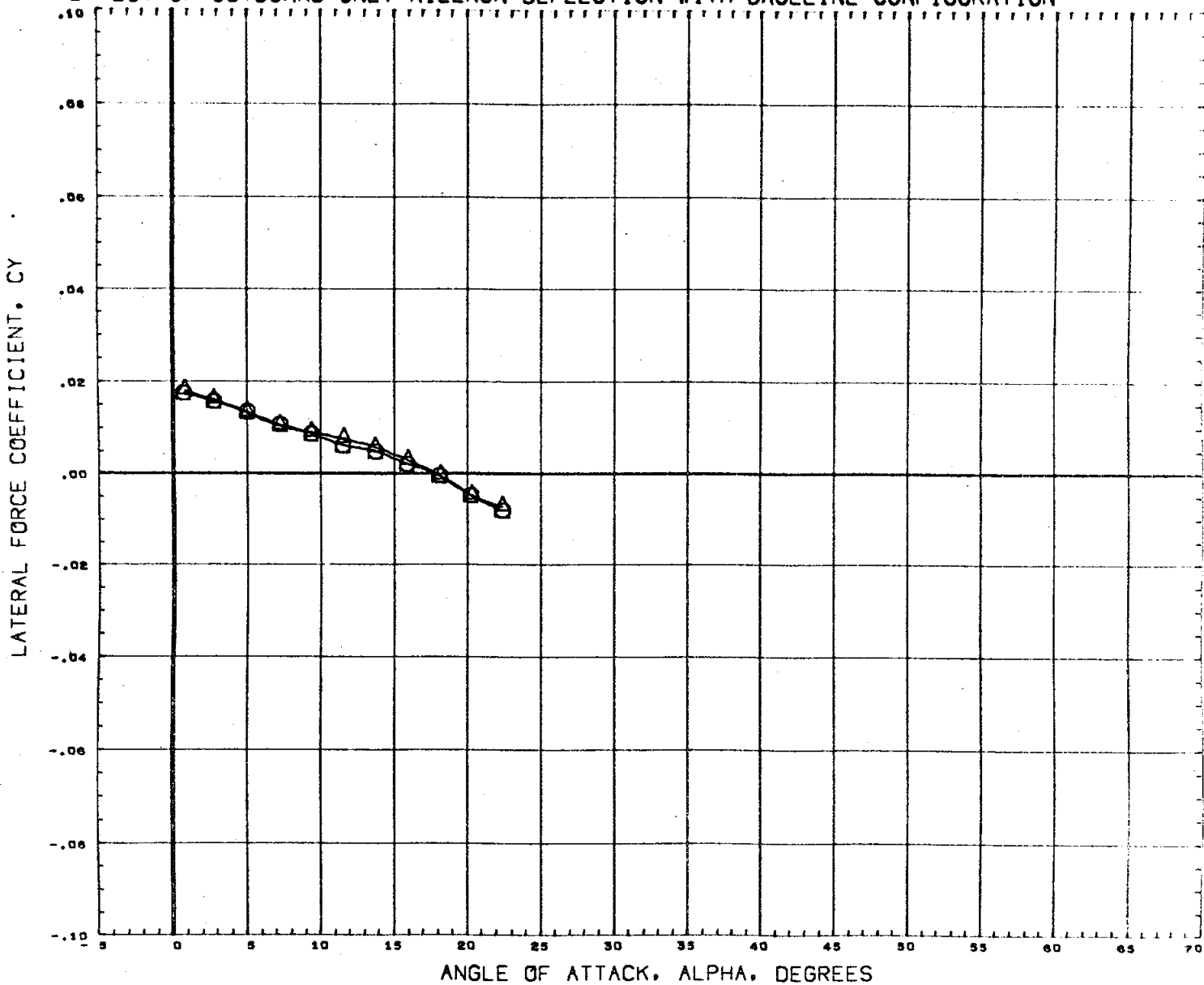


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDAIL	RUDFLR	OBDLV	REFERENCE INFORMATION	
(A76305)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(A76321)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	10.000	0.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 1.20

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EFFECT OF OUTBOARD ONLY AILERON DEFLECTION WITH BASELINE CONFIGURATION

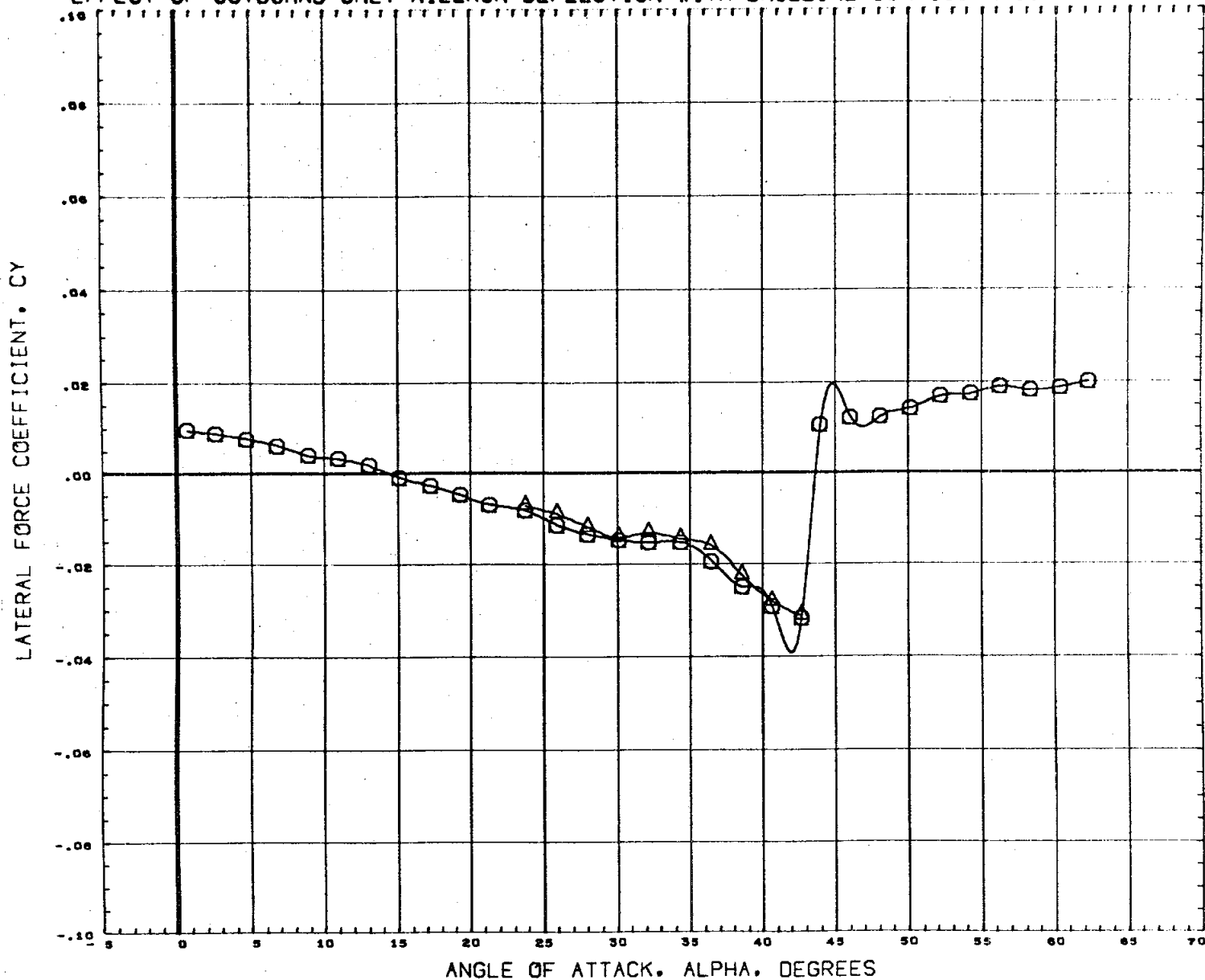


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(A7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1H1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(A76521)	M555 (FA3) NAR ATP ORB (B1C1D1F1H1) (W1E1) (V1K1R1)	0.000	10.000	10.000	0.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4330 IN.
						YMRP	0.0000 IN.
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						SCALE	0.0040

MACH 1.97

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EFFECT OF OUTBOARD ONLY AILERON DEFLECTION WITH BASELINE CONFIGURATION

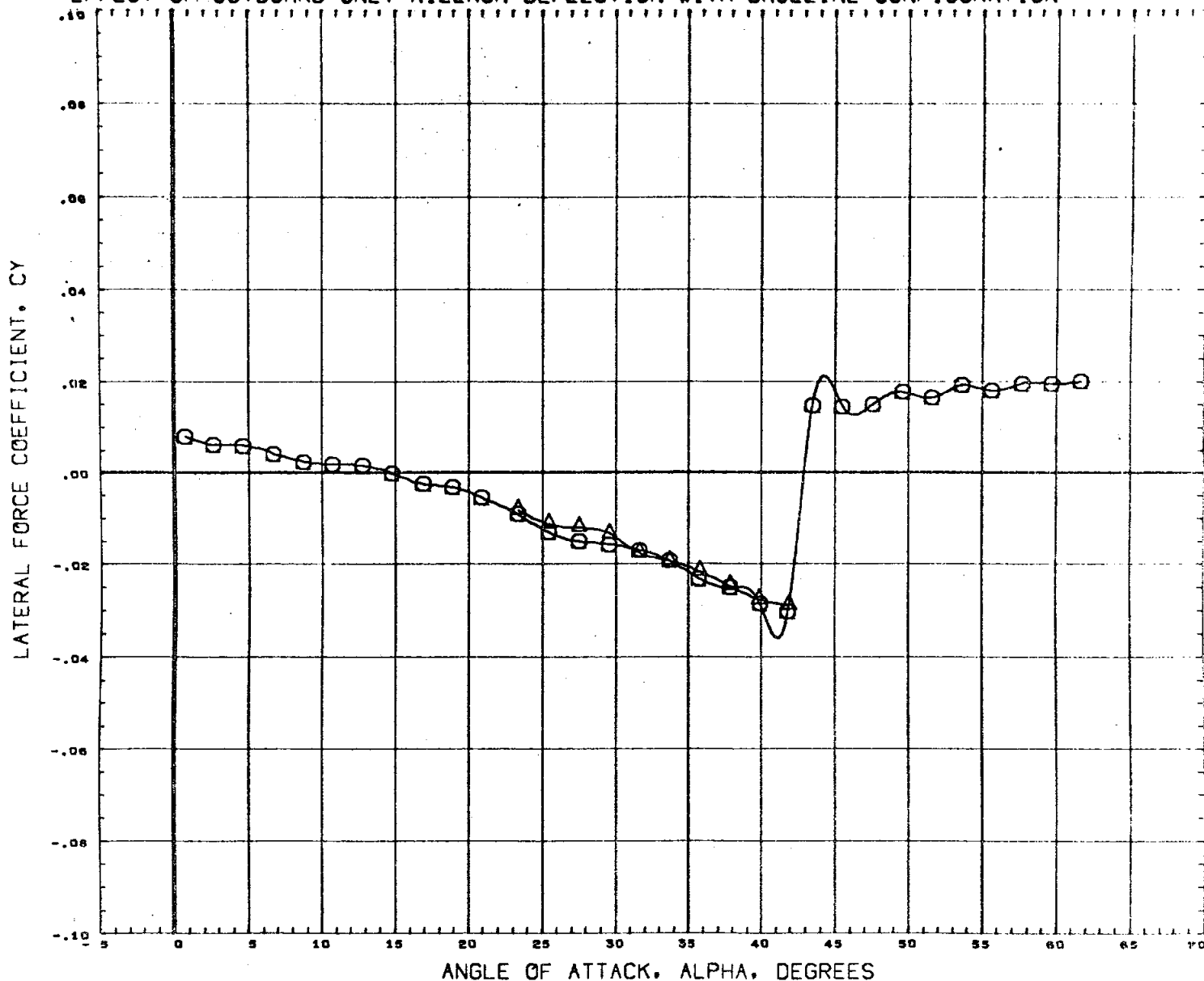


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(A76308)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190	90 IN.
(A76321)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	10.000	0.000	LREF	2.1020	IN.
						BREF	4.0300	IN.
						XMRF	3.4530	IN.
						YMRF	0.0000	IN.
						ZMRF	0.0000	IN.
						SCALE	0.0040	

MACH 2.99

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EFFECT OF OUTBOARD ONLY AILERON DEFLECTION WITH BASELINE CONFIGURATION

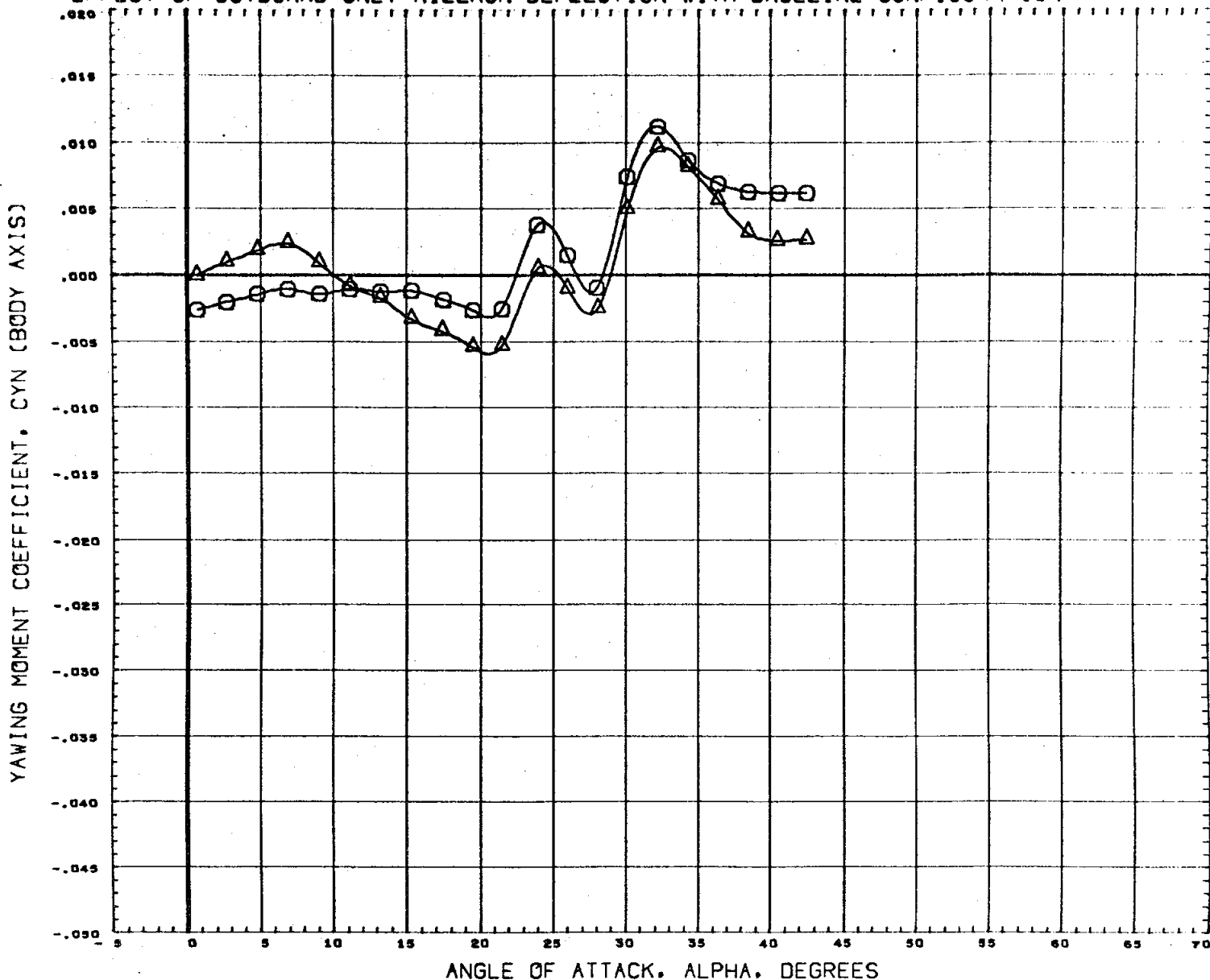


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDAIL	RUDFLR	OBDELV	REFERENCE INFORMATION	
(A76308)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(A76321)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	10.000	0.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 4.96

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EFFECT OF OUTBOARD ONLY AILERON DEFLECTION WITH BASELINE CONFIGURATION

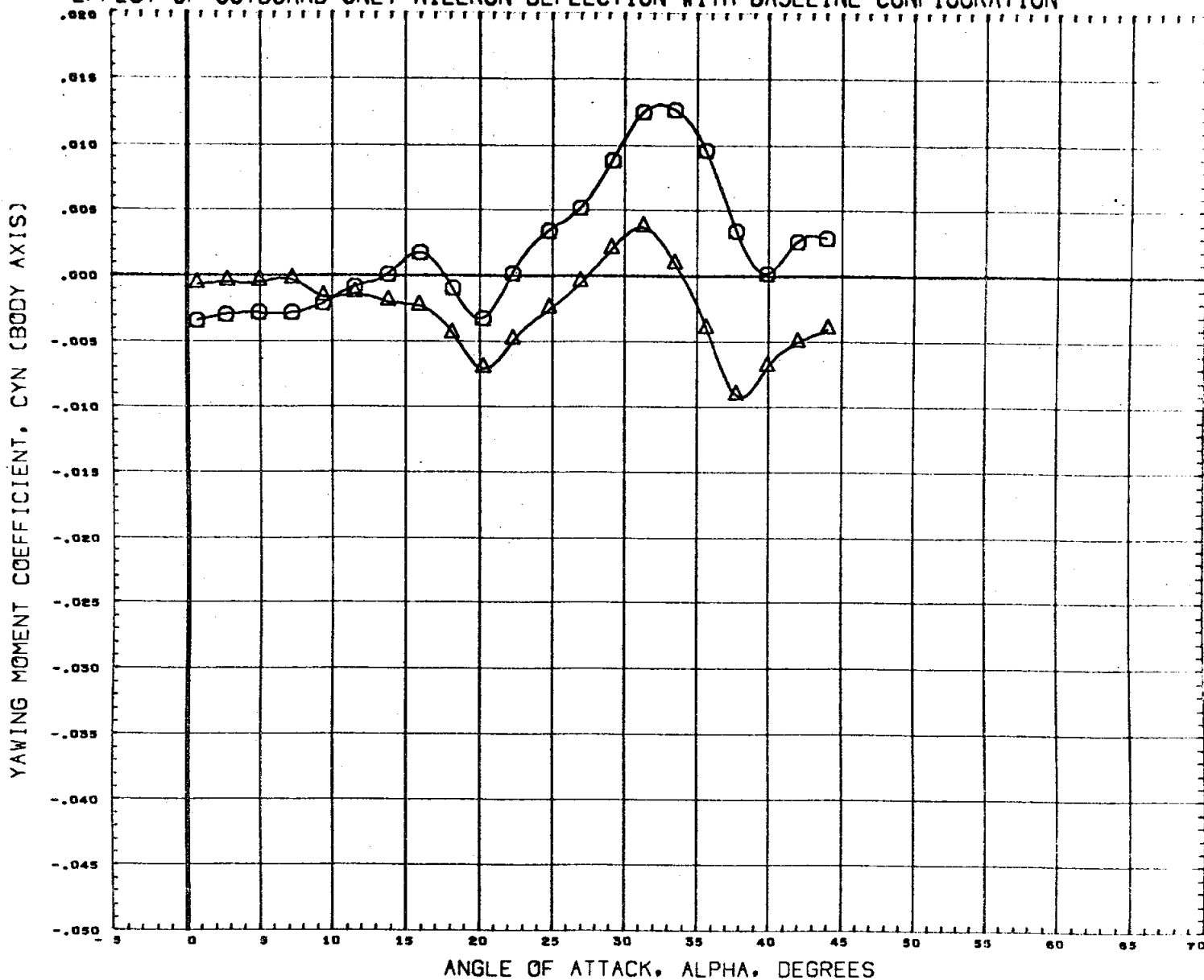


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(A76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(A76321)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	10.000	0.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRF	3.4530 IN.
						YMRF	0.0000 IN.
						ZMRF	0.0000 IN.
						SCALE	0.0040

MACH .59

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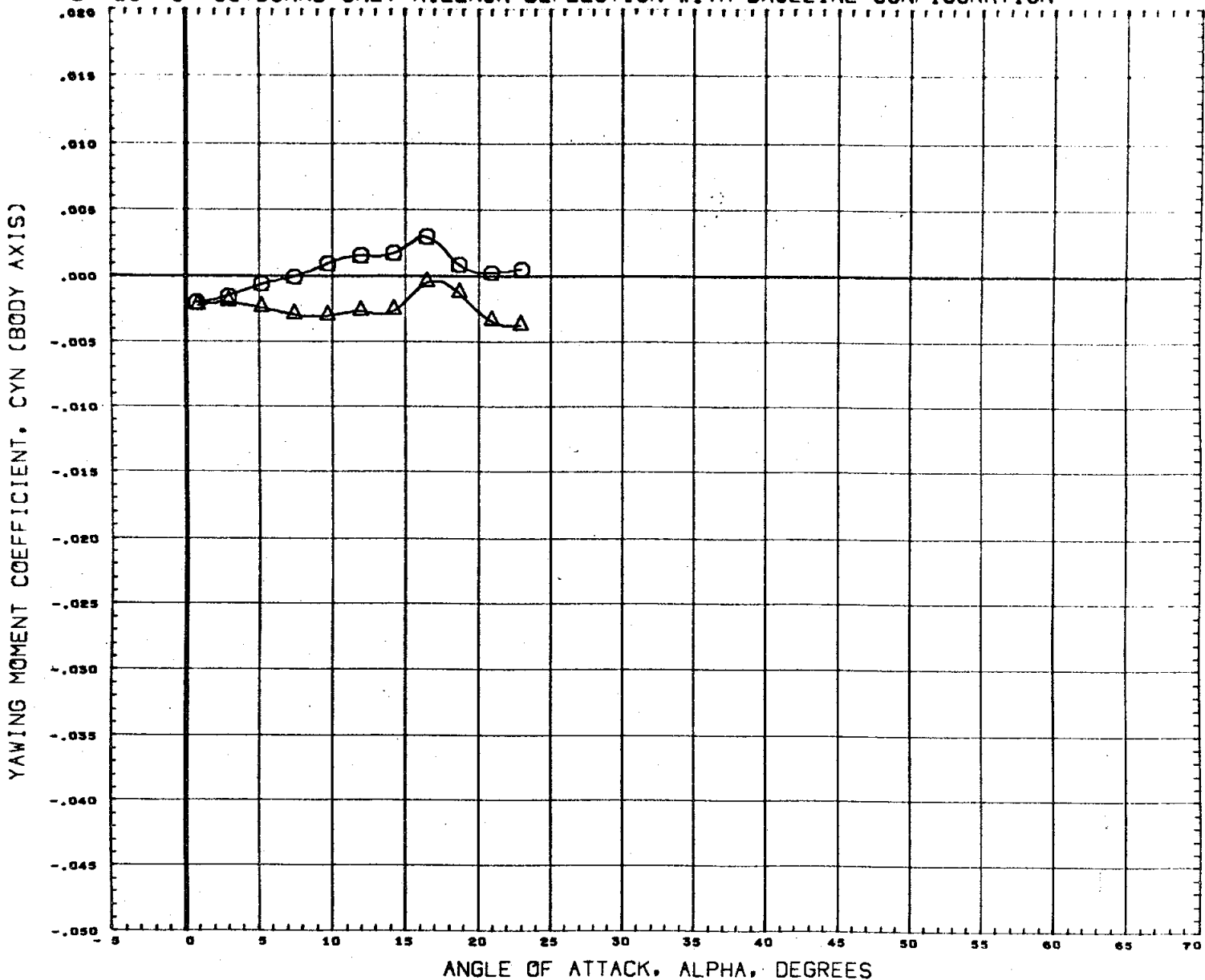
EFFECT OF OUTBOARD ONLY AILERON DEFLECTION WITH BASELINE CONFIGURATION



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDAIL	RUDFLR	OBDLV	REFERENCE INFORMATION	
(A76305)	M555 (FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(A76521)	M555 (FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	10.000	0.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4930 IN.
						YMRP	0.0000 IN.
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						SCALE	0.0040

MACH .90

EFFECT OF OUTBOARD ONLY AILERON DEFLECTION WITH BASELINE CONFIGURATION

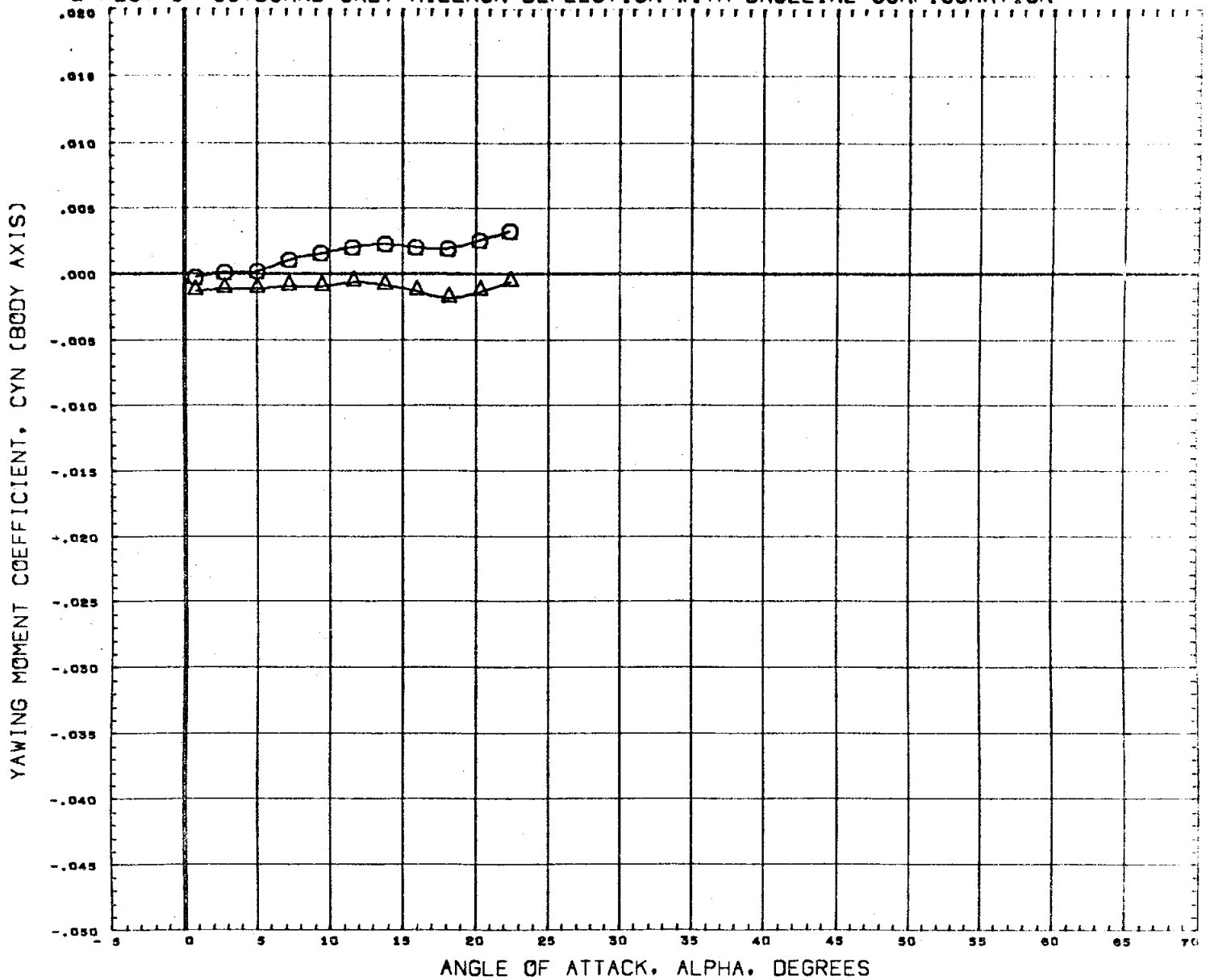


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDAIL	RUDFLR	OBDELV	REFERENCE INFORMATION	
(A76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(A76321)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	10.000	0.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 1.20

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EFFECT OF OUTBOARD ONLY AILERON DEFLECTION WITH BASELINE CONFIGURATION

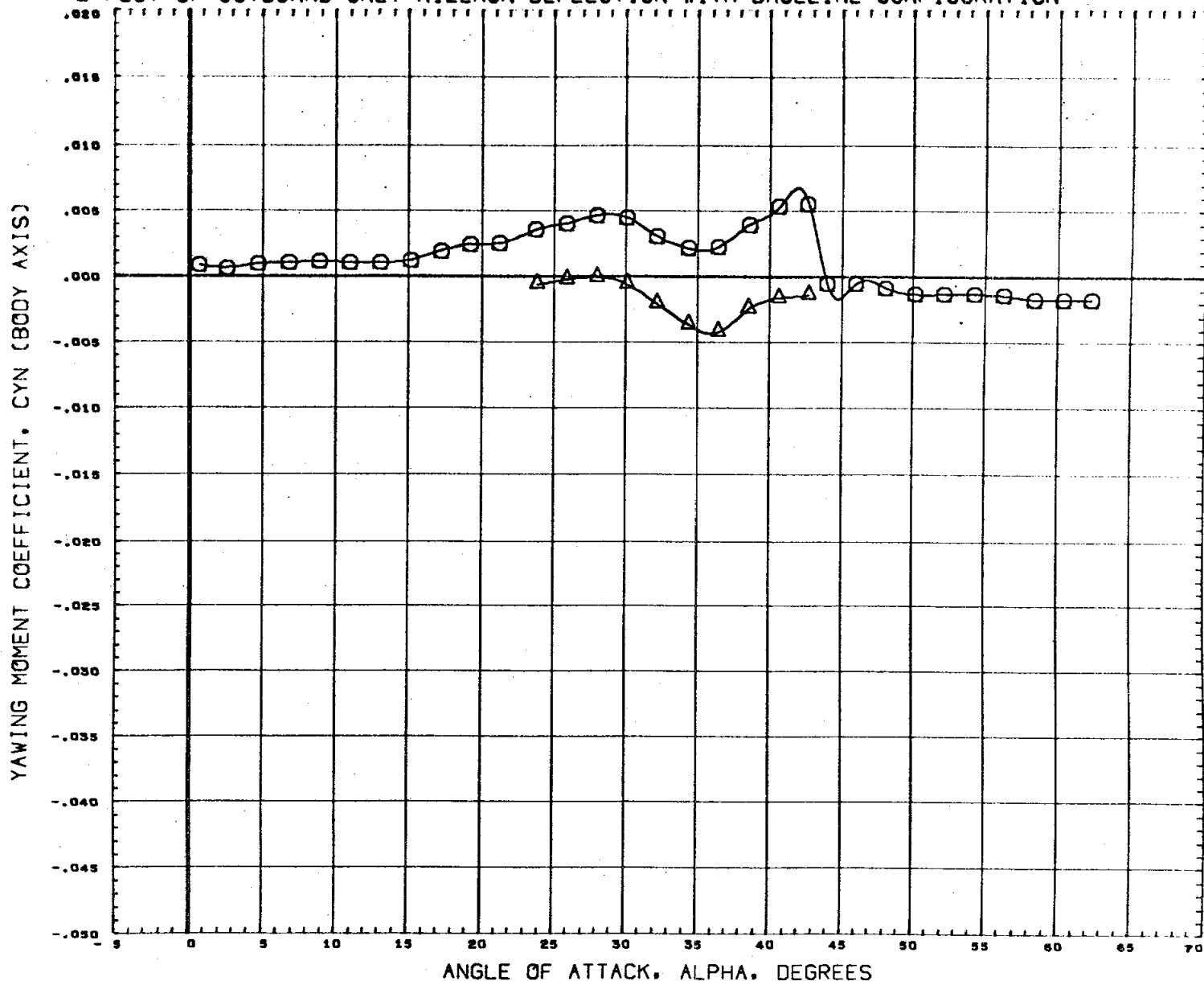


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OSDAIL	RUDFLR	OSDELV	REFERENCE INFORMATION	
(A7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(A76321)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	10.000	0.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRF	3.4530 IN.
						YMRF	0.0000 IN.
						ZMRF	0.0000 IN.
						SCALE	0.0040

MACH 1.97

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EFFECT OF OUTBOARD ONLY AILERON DEFLECTION WITH BASELINE CONFIGURATION

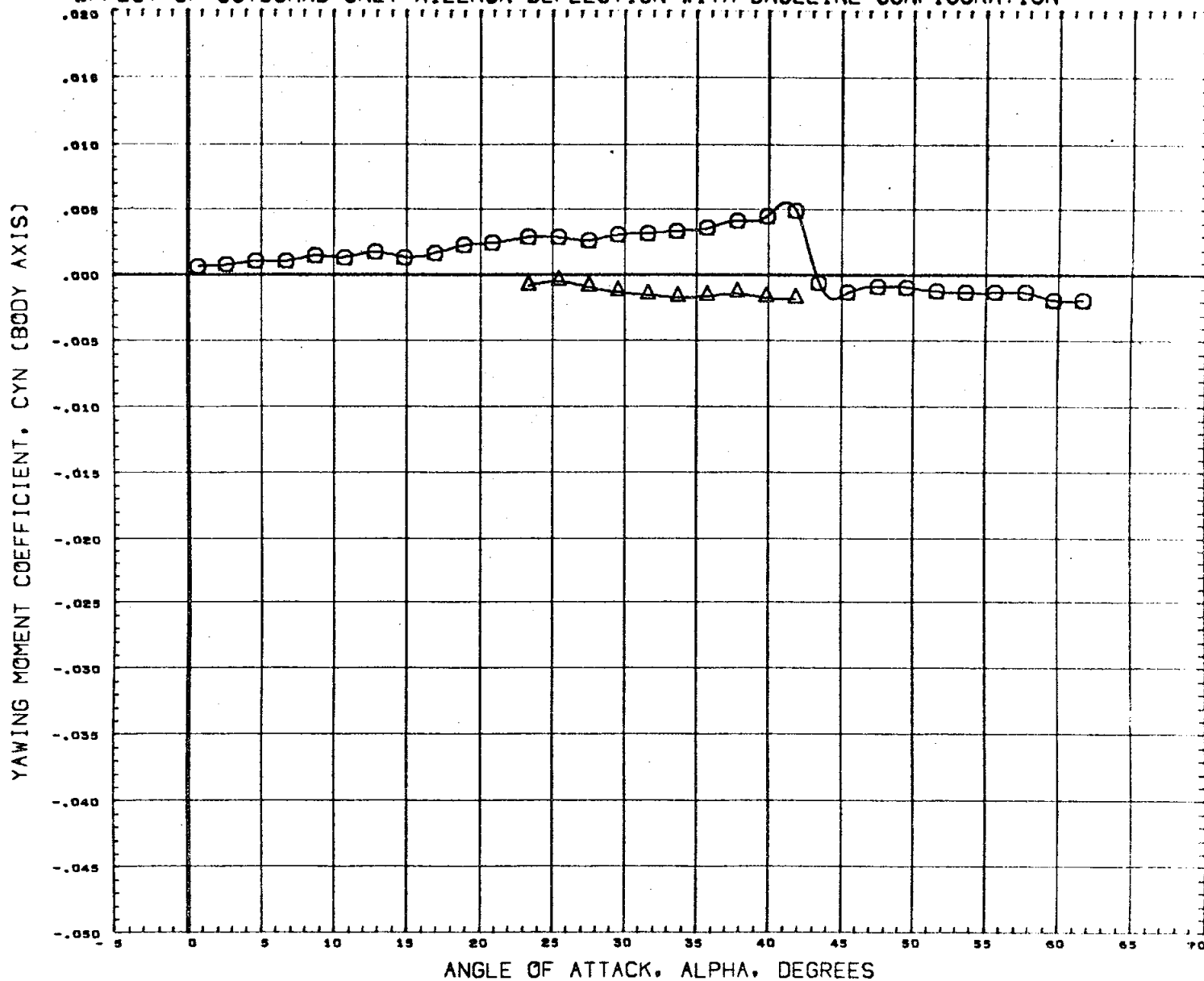


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OSDAIL	RUDFLR	OSDELV	REFERENCE INFORMATION	
(A76308)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(A76321)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	10.000	0.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 2.99

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EFFECT OF OUTBOARD ONLY AILERON DEFLECTION WITH BASELINE CONFIGURATION



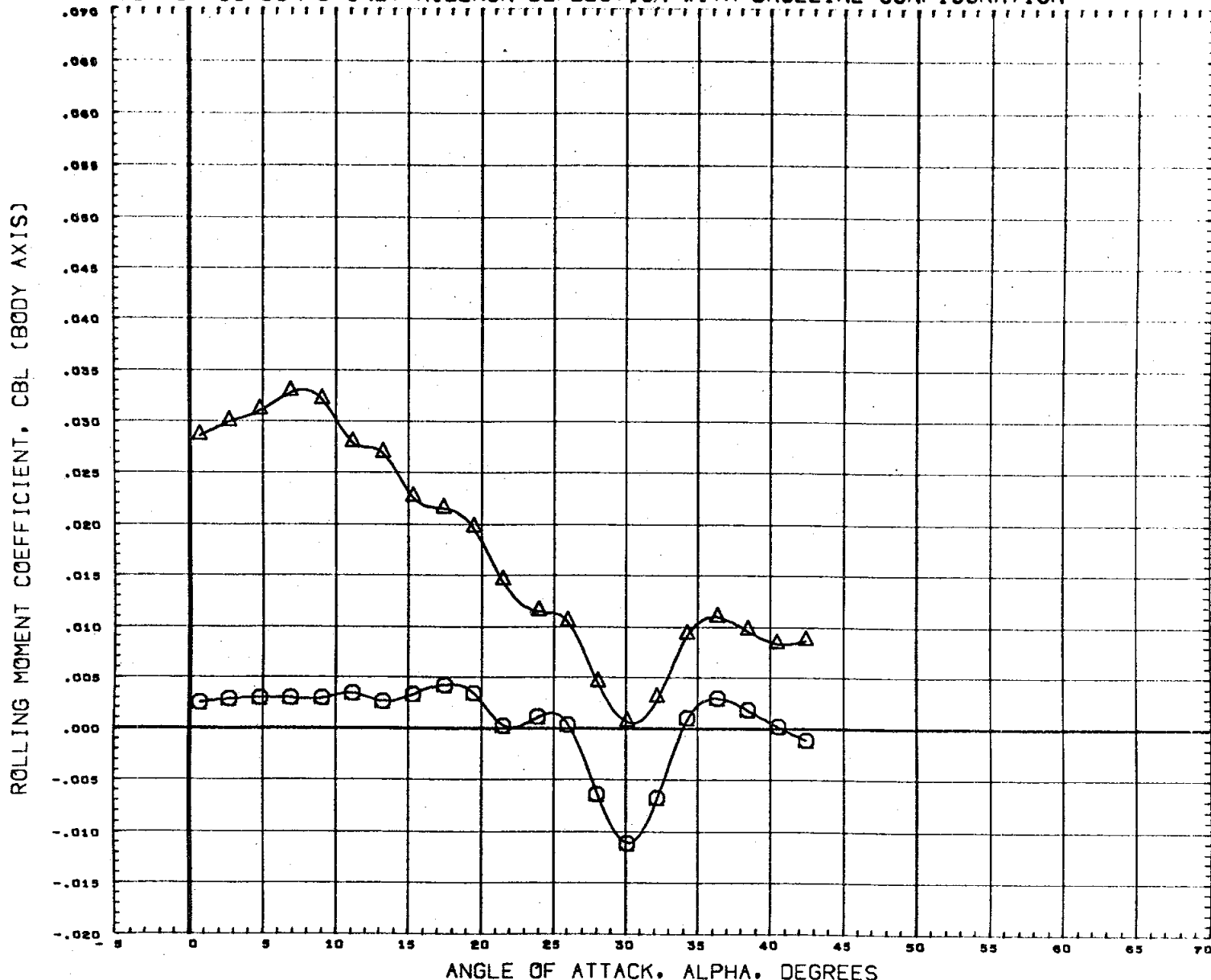
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OSDAIL	RUDFLR	OBDELV	REFERENCE INFORMATION	
(A76305)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(A76321)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	10.000	0.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH

4.96

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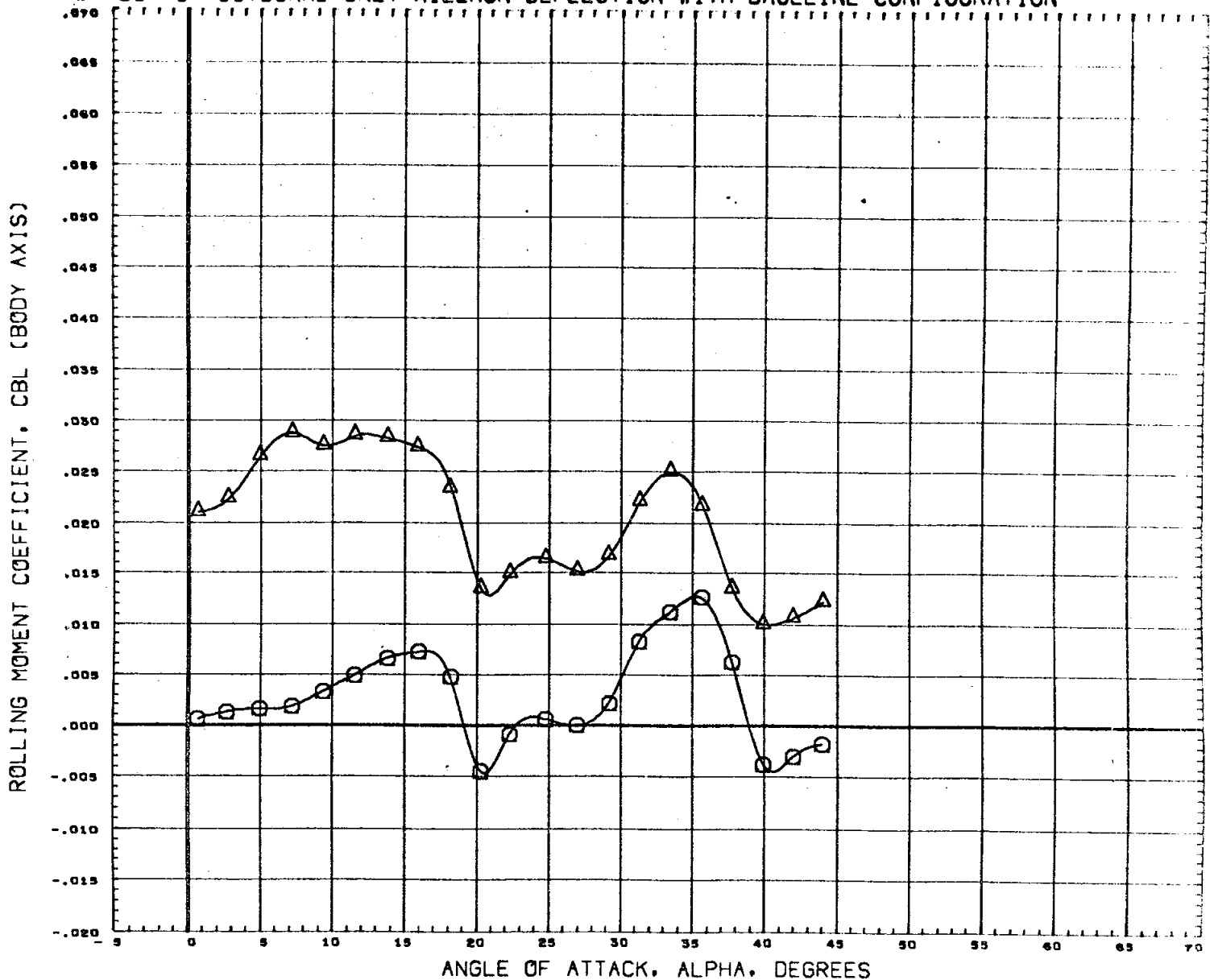
EFFECT OF OUTBOARD ONLY AILERON DEFLECTION WITH BASELINE CONFIGURATION



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDAIL	RUDFLR	OBDLV	REFERENCE INFORMATION	
(A7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(A76321)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	10.000	0.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRF	3.4530 IN.
						YMRF	0.0000 IN.
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MACH .59

EFFECT OF OUTBOARD ONLY AILERON DEFLECTION WITH BASELINE CONFIGURATION



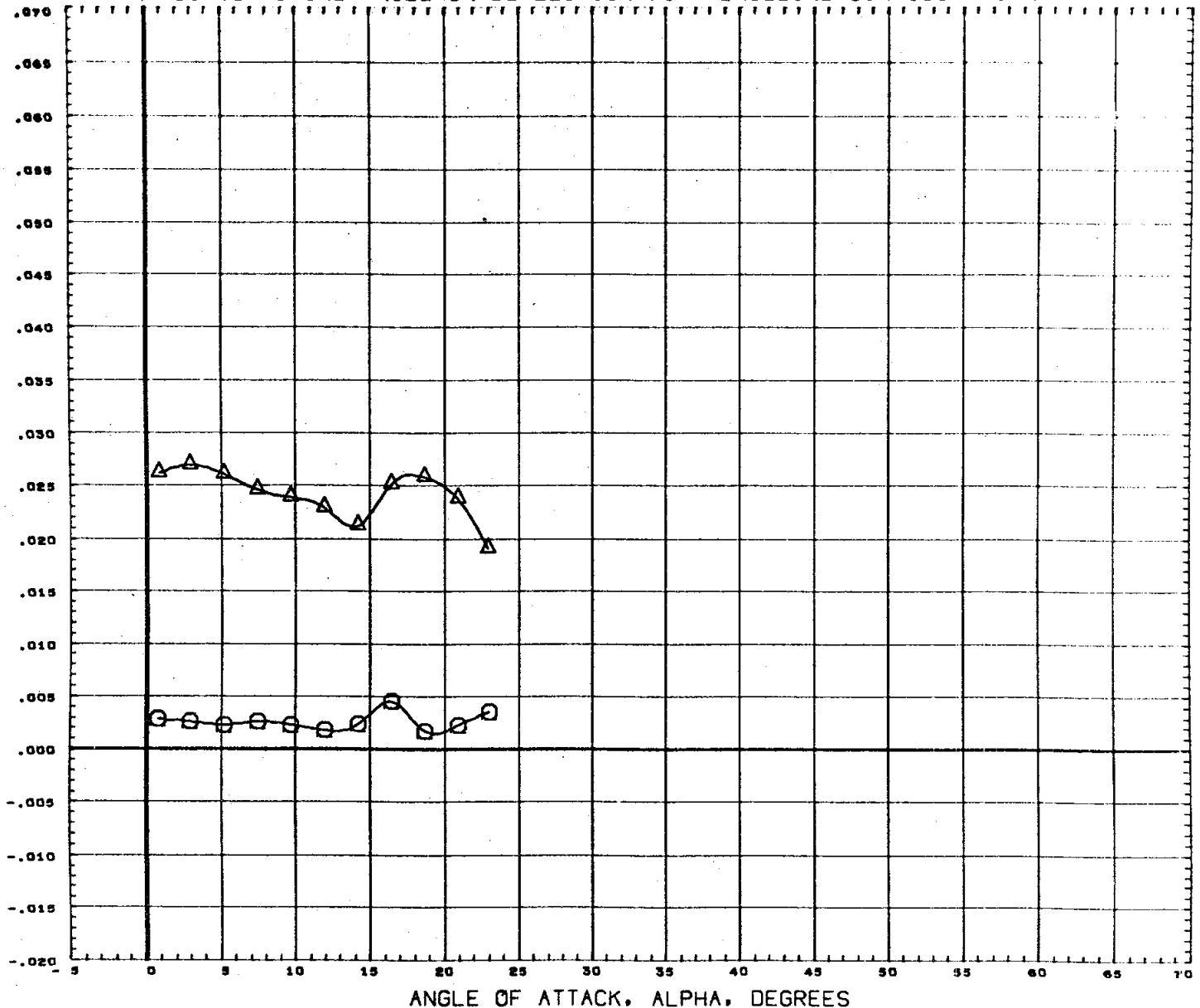
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDAIL	RUDFLR	OBDELV	REFERENCE INFORMATION	
(A76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(A76321)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	10.000	0.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRF	3.4930 IN.
						YMRF	0.0000 IN.
						ZMRF	0.0000 IN.
						SCALE	0.0040

MACH .90

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EFFECT OF OUTBOARD ONLY AILERON DEFLECTION WITH BASELINE CONFIGURATION

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)

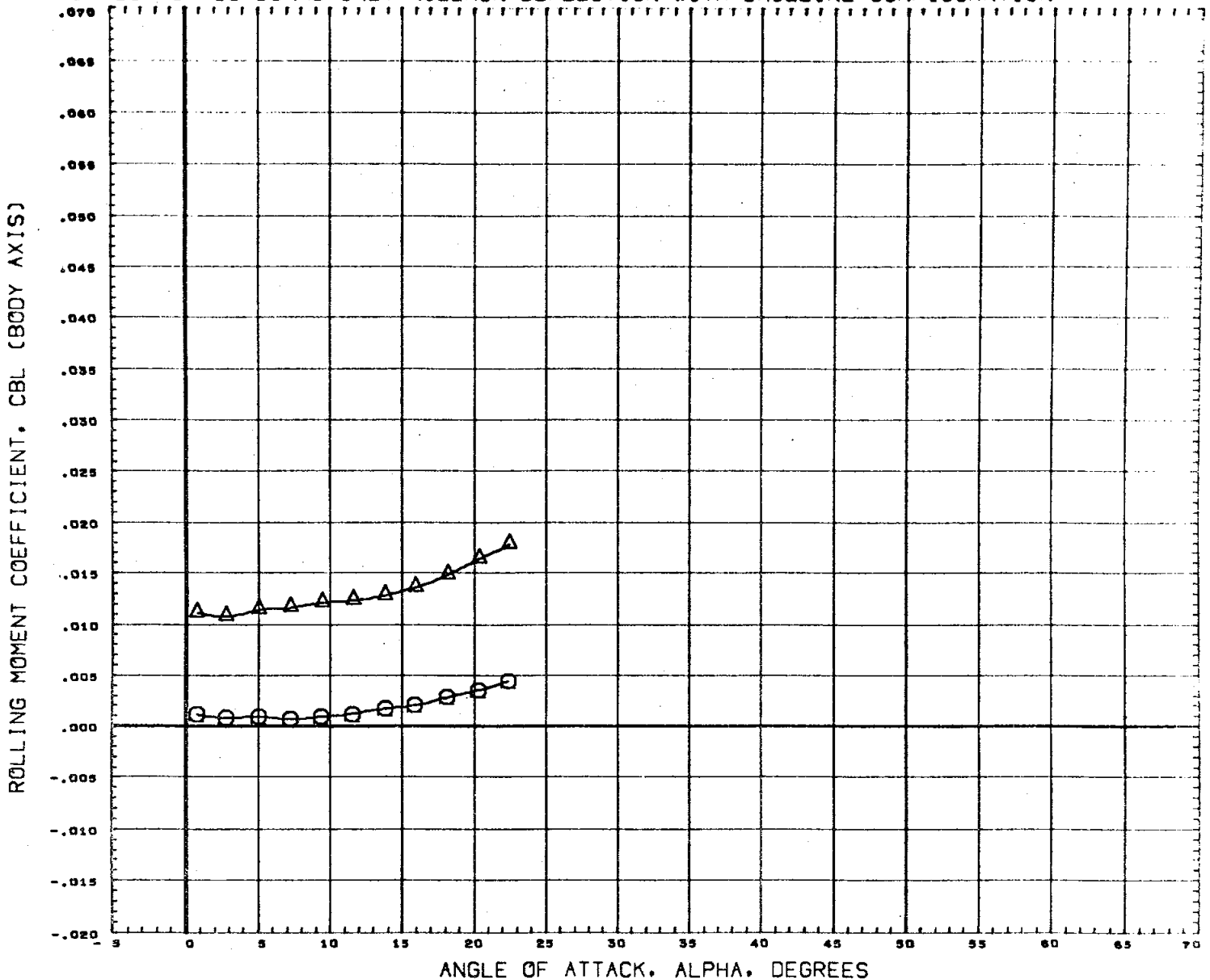


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDAIL	RUDFLR	OBDLV	REFERENCE INFORMATION	
(A7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(A76321)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	10.000	0.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 1.20

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EFFECT OF OUTBOARD ONLY AILERON DEFLECTION WITH BASELINE CONFIGURATION

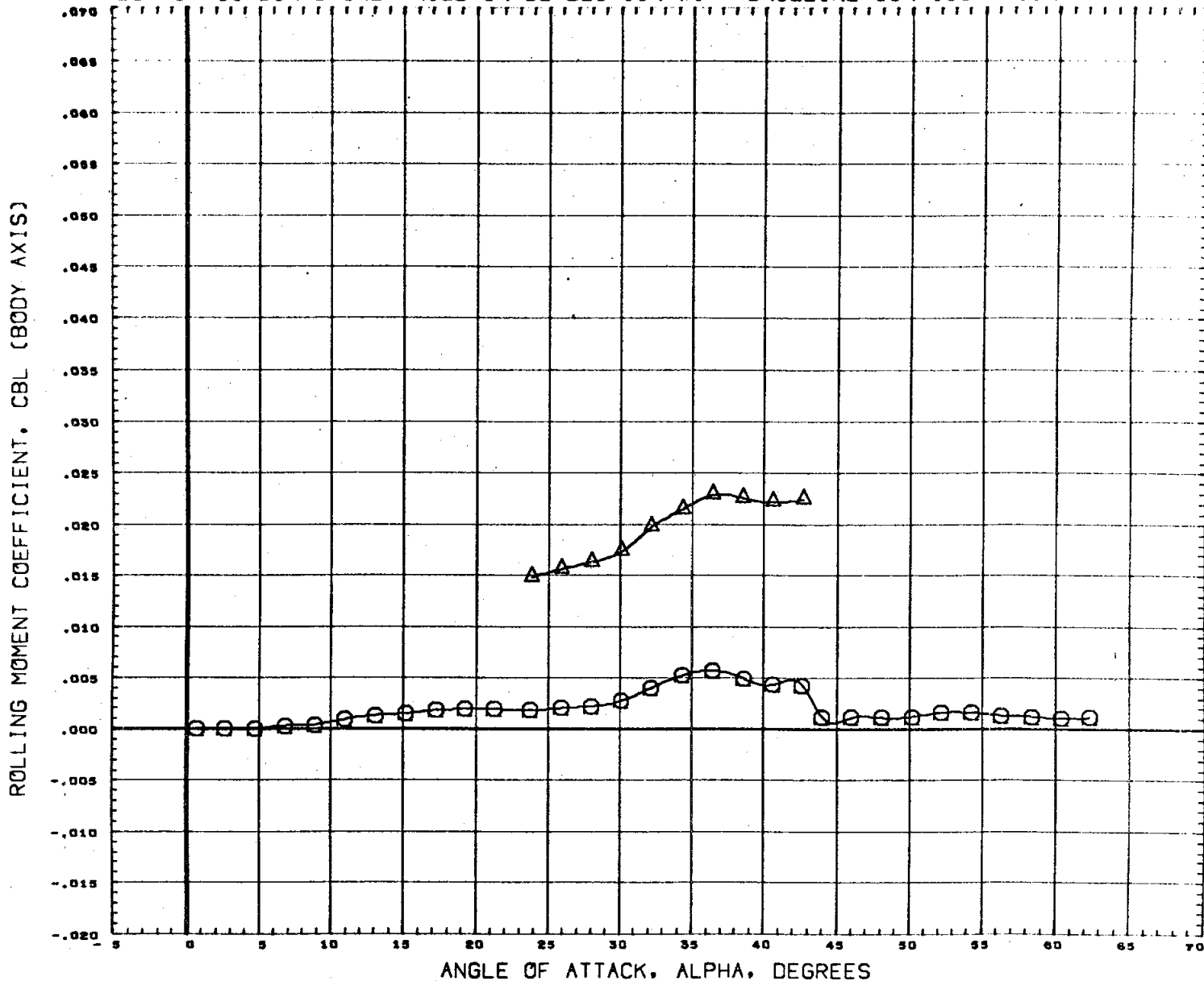


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDAIL	RUDFLR	OBDLV	REFERENCE INFORMATION	
(A76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(A76321)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	10.000	0.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRP	3.4530 IN.
						YMRP	0.0000 IN.
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						SCALE	0.0040

MACH 1.97

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EFFECT OF OUTBOARD ONLY AILERON DEFLECTION WITH BASELINE CONFIGURATION



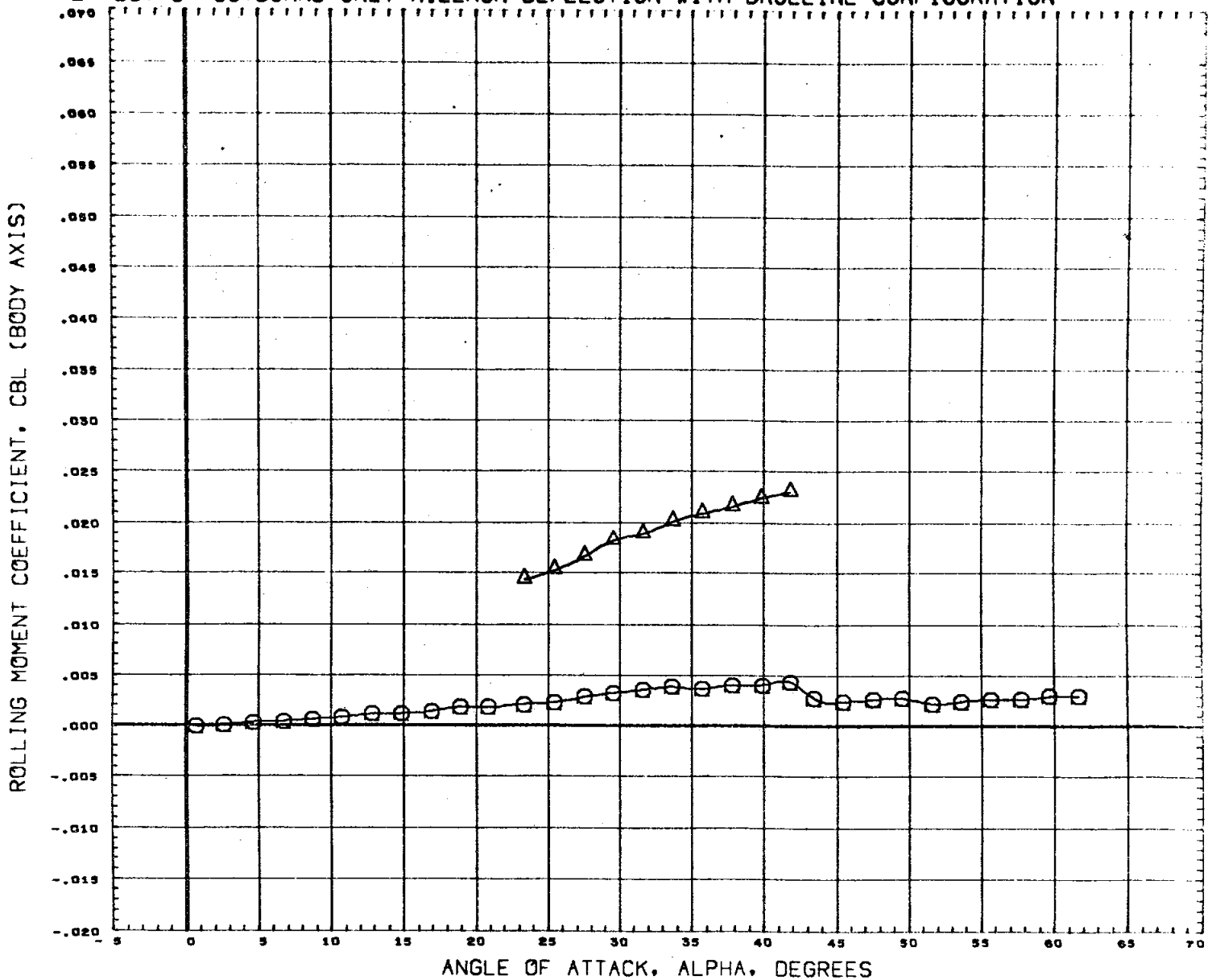
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDAIL	RUDFLR	OBDLV	REFERENCE INFORMATION	
(A7630S)	M555 (FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(A76321)	M555 (FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	10.000	0.000	LREF	2.1020 IN.
						BREF	4.0300 IN.
						XMRRP	3.4530 IN.
						YMRRP	0.0000 IN.
						ZMRRP	0.0000 IN.
						SCALE	0.0040

MACH

2.99

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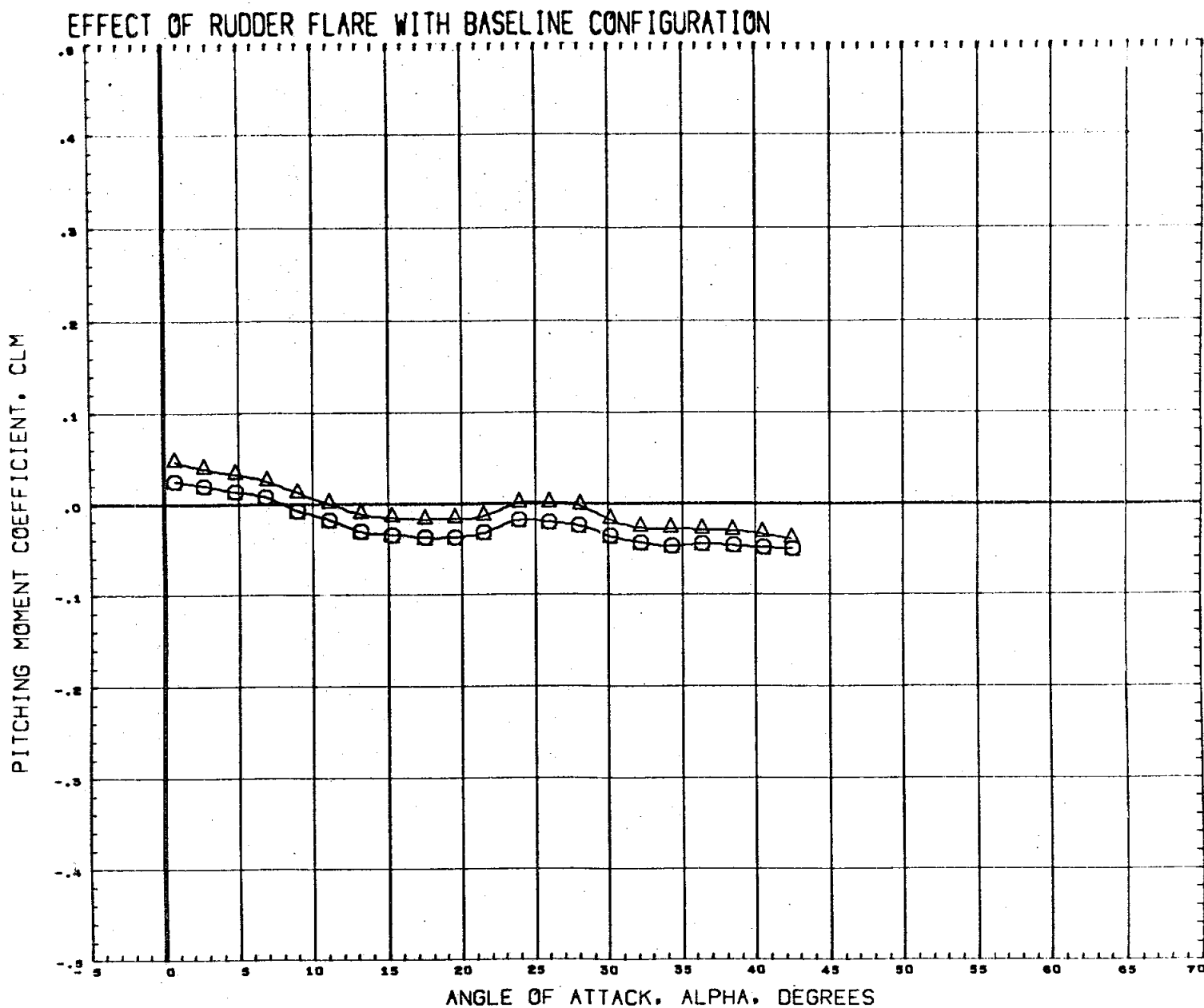
EFFECT OF OUTBOARD ONLY AILERON DEFLECTION WITH BASELINE CONFIGURATION



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	OBDAIL	RUDFLR	OBDLV	REFERENCE INFORMATION		
(A76305)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190	50. IN.
(A76521)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	10.000	0.000	LREF	2.1020	IN.
						BREF	4.0300	IN.
						XMRP	3.4530	IN.
						YMRP	0.0000	IN.
						ZMRP	0.0000	IN.
						SCALE	0.0040	

MACH 4.96

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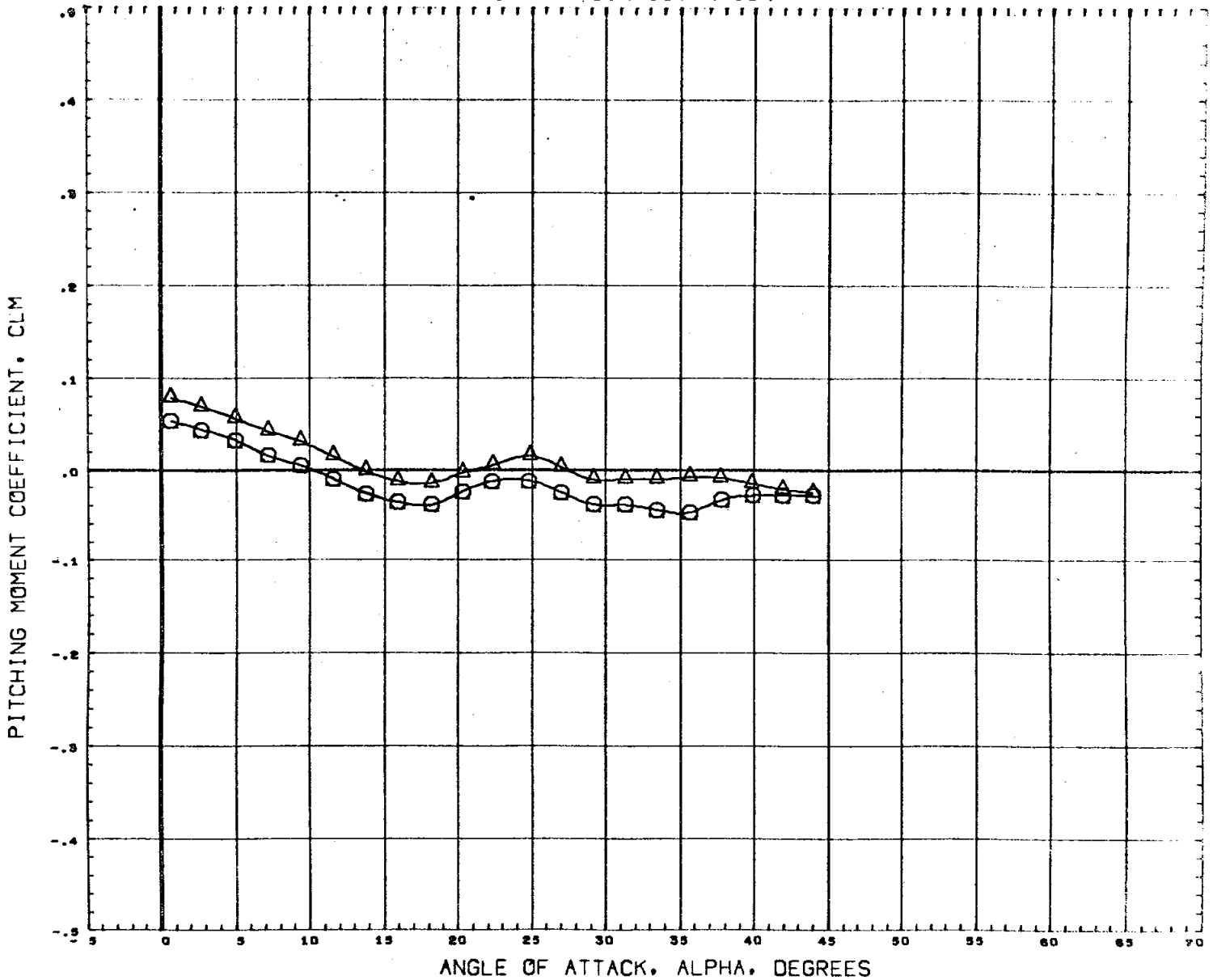


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUDFLR	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	SREF	7.4190 30. IN.
(C76323)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	40.000	LREF	2.1020 IN.
					BREF	4.0300 IN.
					XMRP	3.4530 IN.
					YMRP	0.0000 IN.
					ZMRP	0.0000 IN.
					SCALE	0.0040

MACH .59

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION



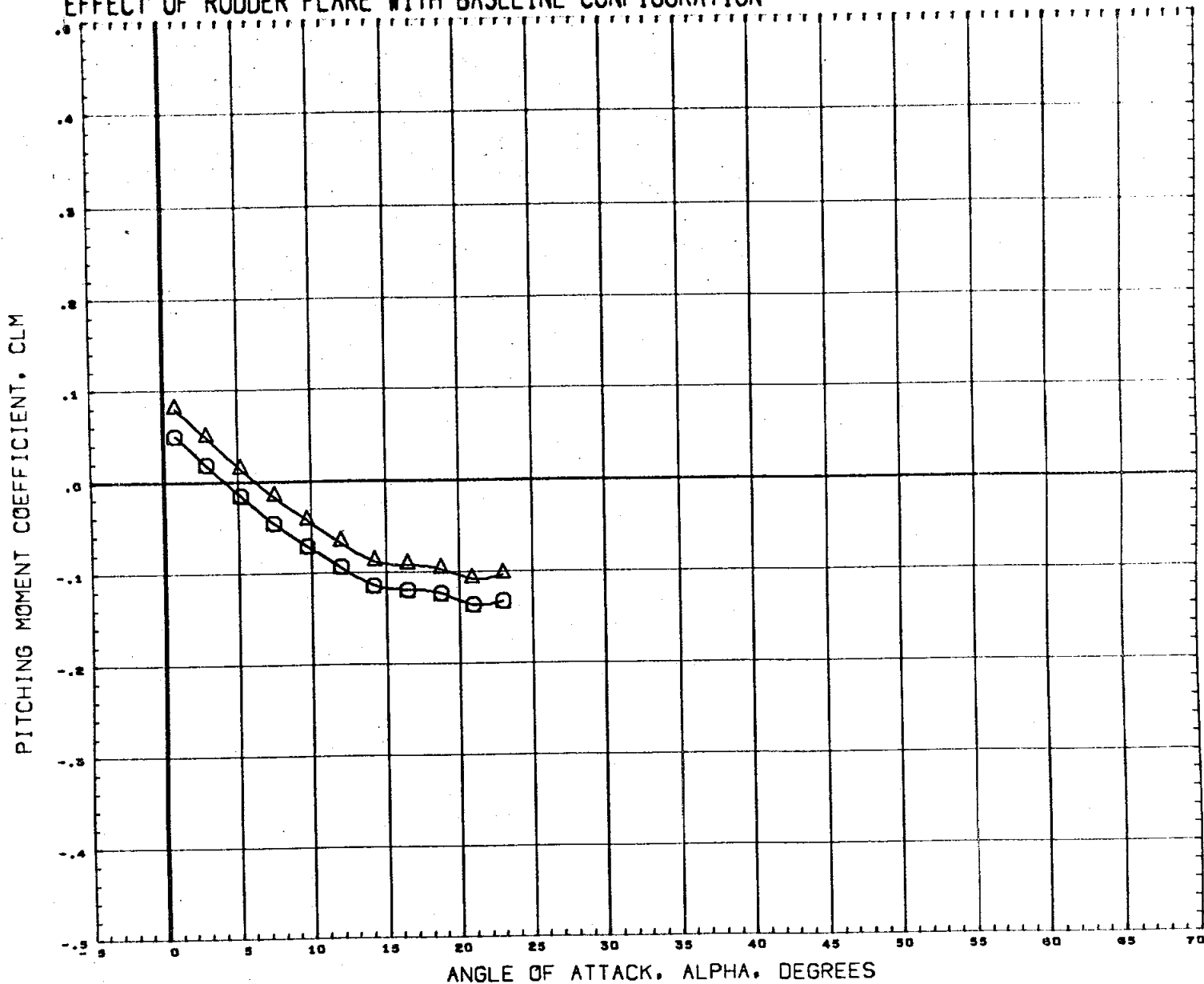
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUDFLR
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000
(C76323)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	40.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH .90

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
(C7632S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

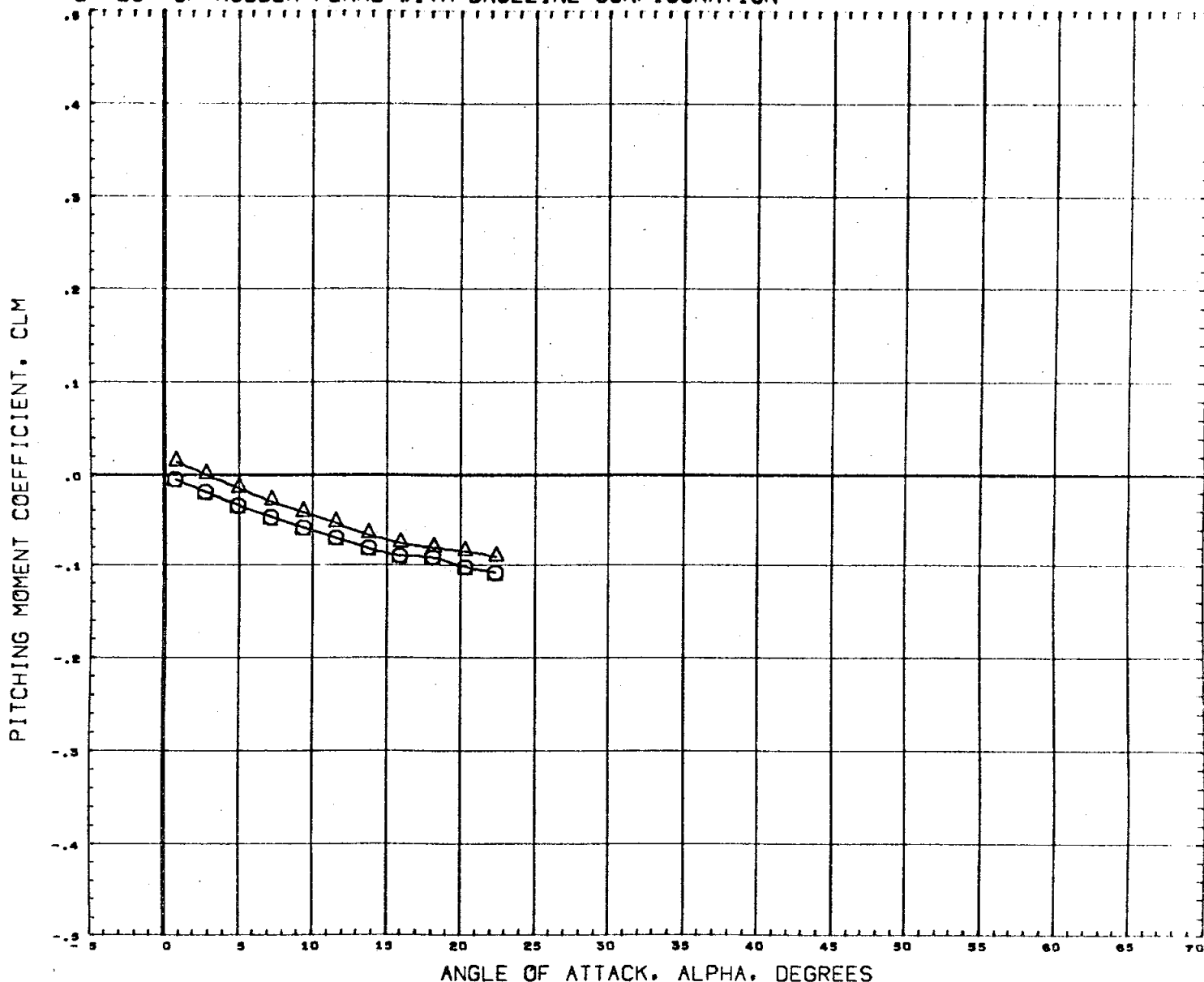
BETA	RUDDER	RUDFLR
0.000	0.000	10.000
0.000	0.000	40.000

REFERENCE INFORMATION	
SREF	7.4190 SQ. IN.
LREF	2.1020 IN.
BREF	4.0300 IN.
XMRP	3.4530 IN.
YMRP	0.0000 IN.
ZMRP	0.0000 IN.
SCALE	0.0040

MACH 1.20

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION

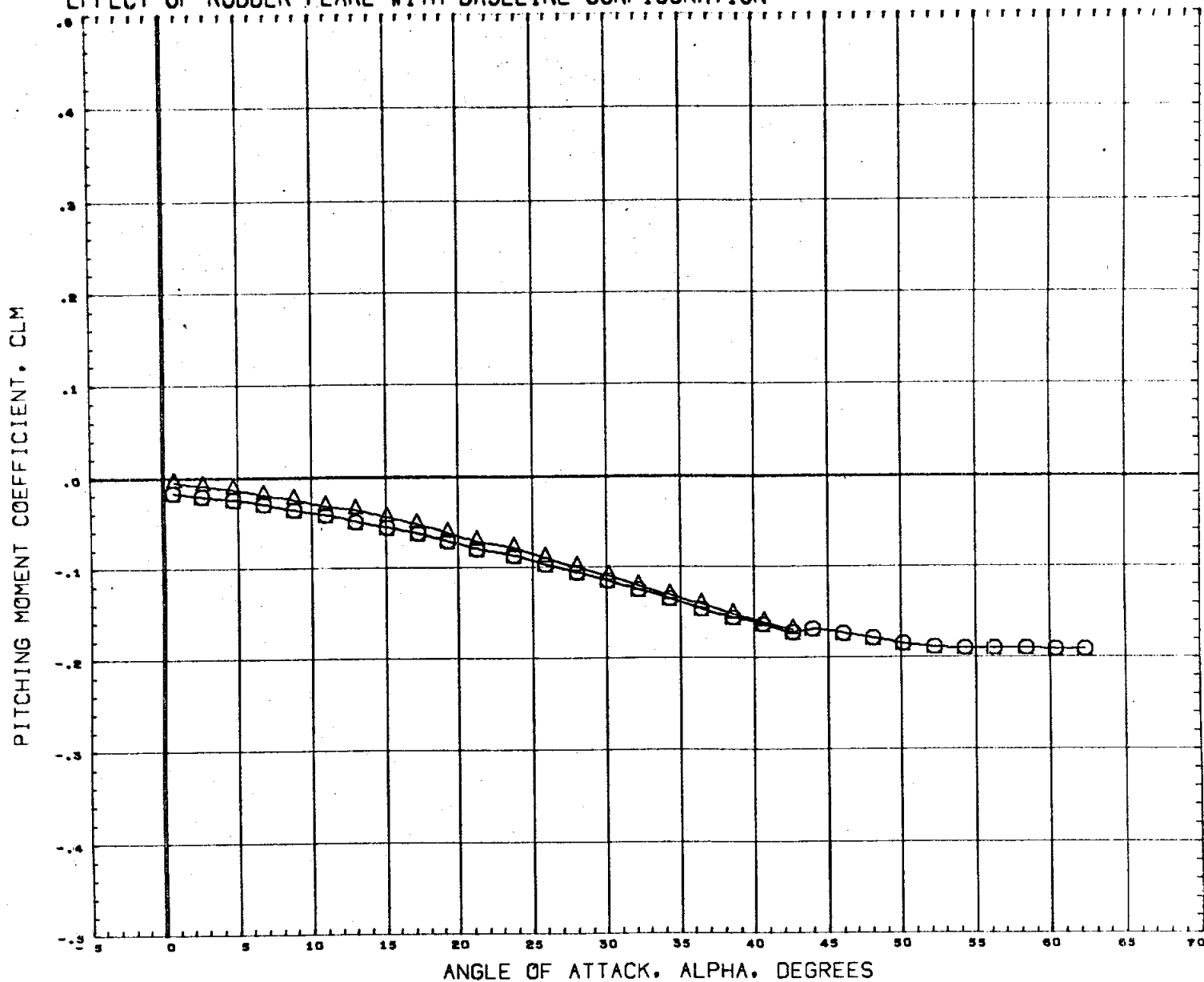


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUDFLR	REFERENCE INFORMATION	
(C76308)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	SREF	7.4190 99. IN.
(C76323)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	40.000	LREF	2.1020 IN.
					BREF	4.0300 IN.
					XMRP	3.4530 IN.
					YMRP	0.0000 IN.
					ZMRP	0.0000 IN.
					SCALE	0.0040

MACH 1.97

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION



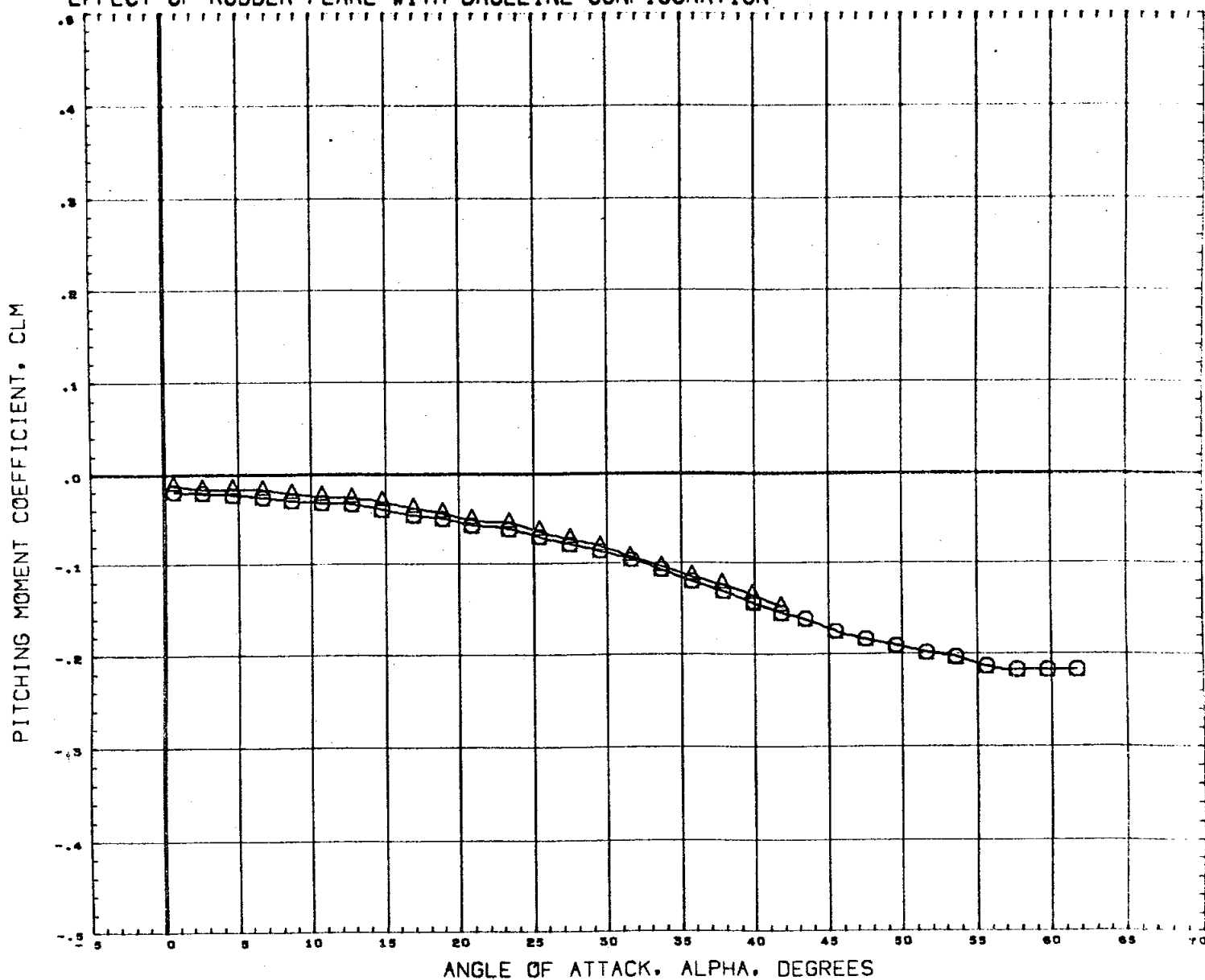
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUDFLR	REFERENCE INFORMATION	
(C76309)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76323)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	40.000	LREF	2.1020 IN.
					BREF	4.0300 IN.
					XMRP	3.4530 IN.
					YMRP	0.0000 IN.
					ZMRP	0.0000 IN.
					SCALE	0.0040

MACH

2.99

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION



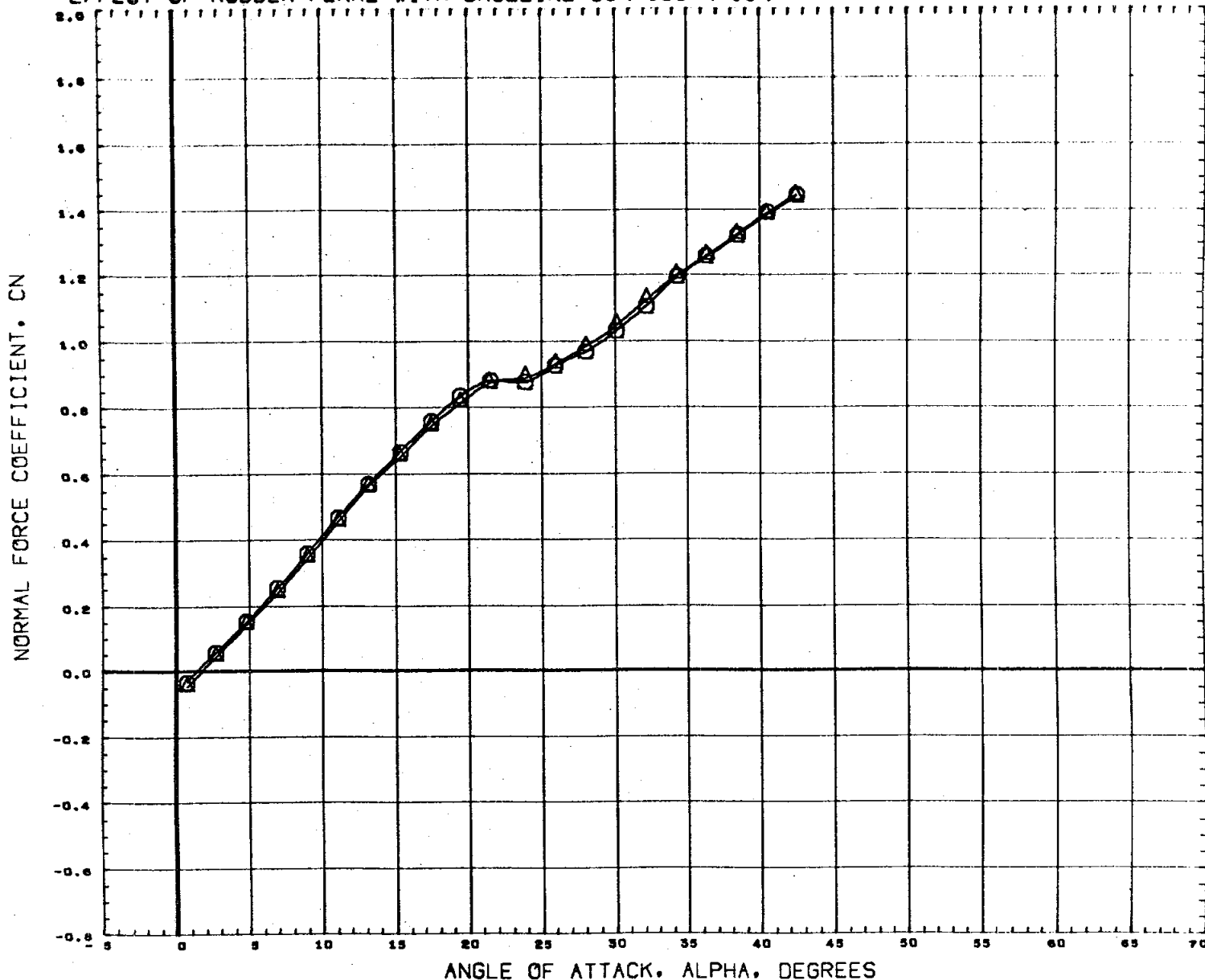
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUDFLR
(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000
(C7632S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	40.000

REFERENCE INFORMATION		
SREF	7.4190	sq. in.
LREF	2.1020	in.
BREF	4.0300	in.
XMRP	3.4530	in.
YMRP	0.0000	in.
ZMRP	0.0000	in.
SCALE	0.0040	

MACH 4.96

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION

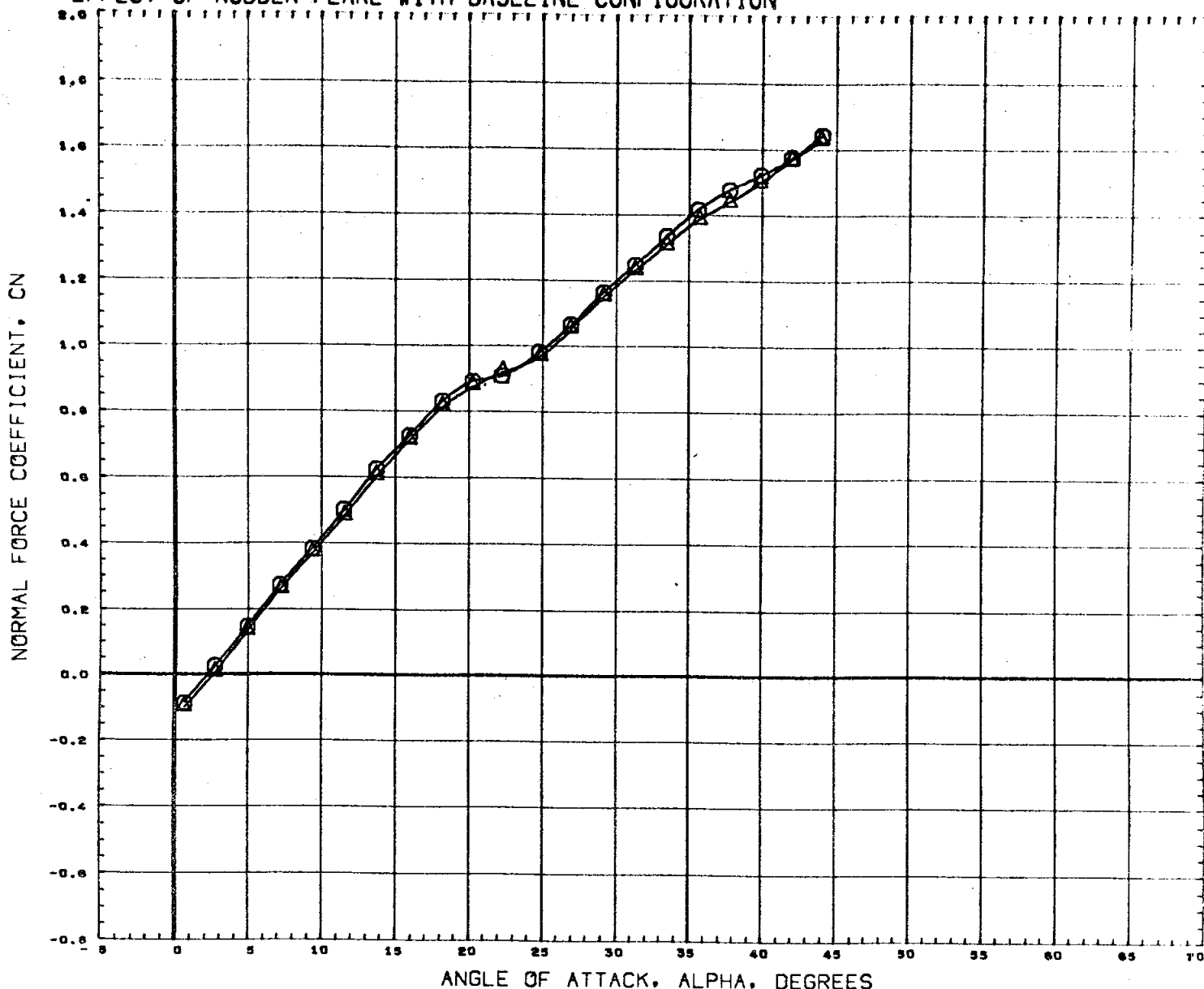


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUDFLR	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	SREF	7.4190 33. IN.
(C76323)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	40.000	LREF	2.1020 IN.
					BREF	4.0300 IN.
					XMRF	3.4530 IN.
					YMRF	0.0000 IN.
					ZMRF	0.0000 IN.
					SCALE	0.0040

MACH .59

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(C76308) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

(C76323) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

BETA	RUDDER	RUDFLR
0.000	0.000	10.000
0.000	0.000	40.000

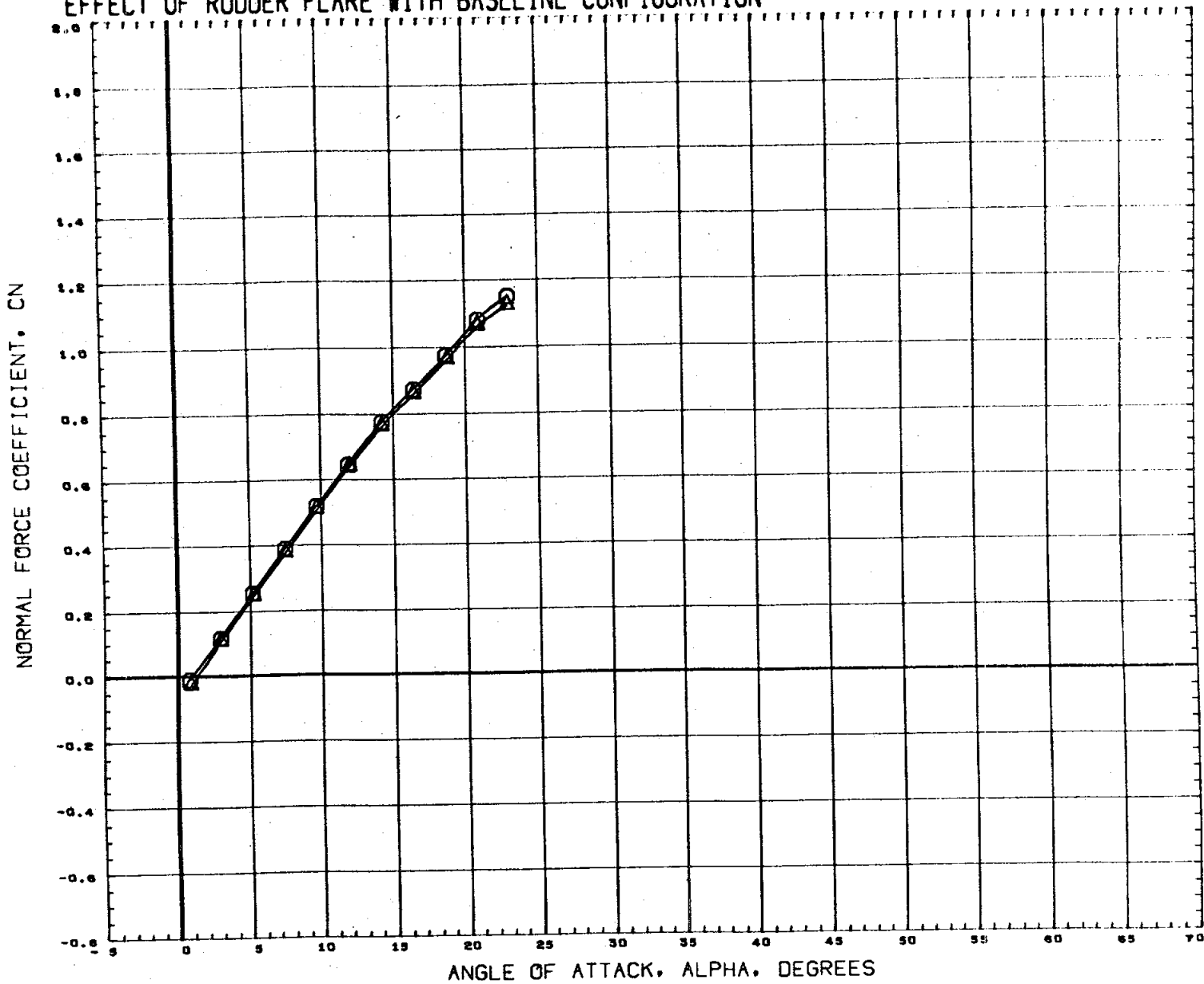
REFERENCE INFORMATION

SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH .90

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
(C76323)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

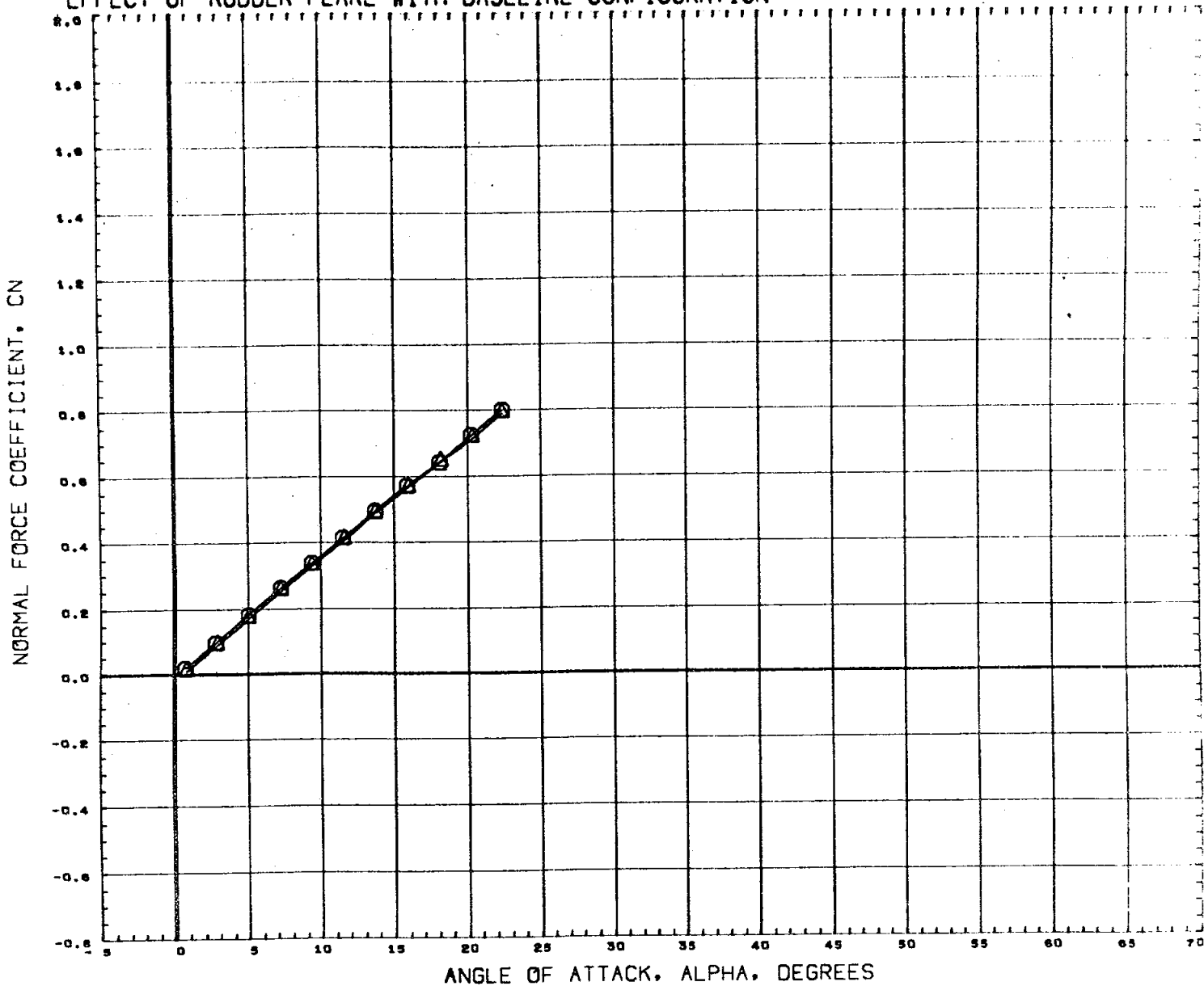
BETA	RUDDER	RUDFLR
0.000	0.000	10.000
0.000	0.000	40.000

REFERENCE INFORMATION		
SREF	7.4190	50. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 1.20

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION

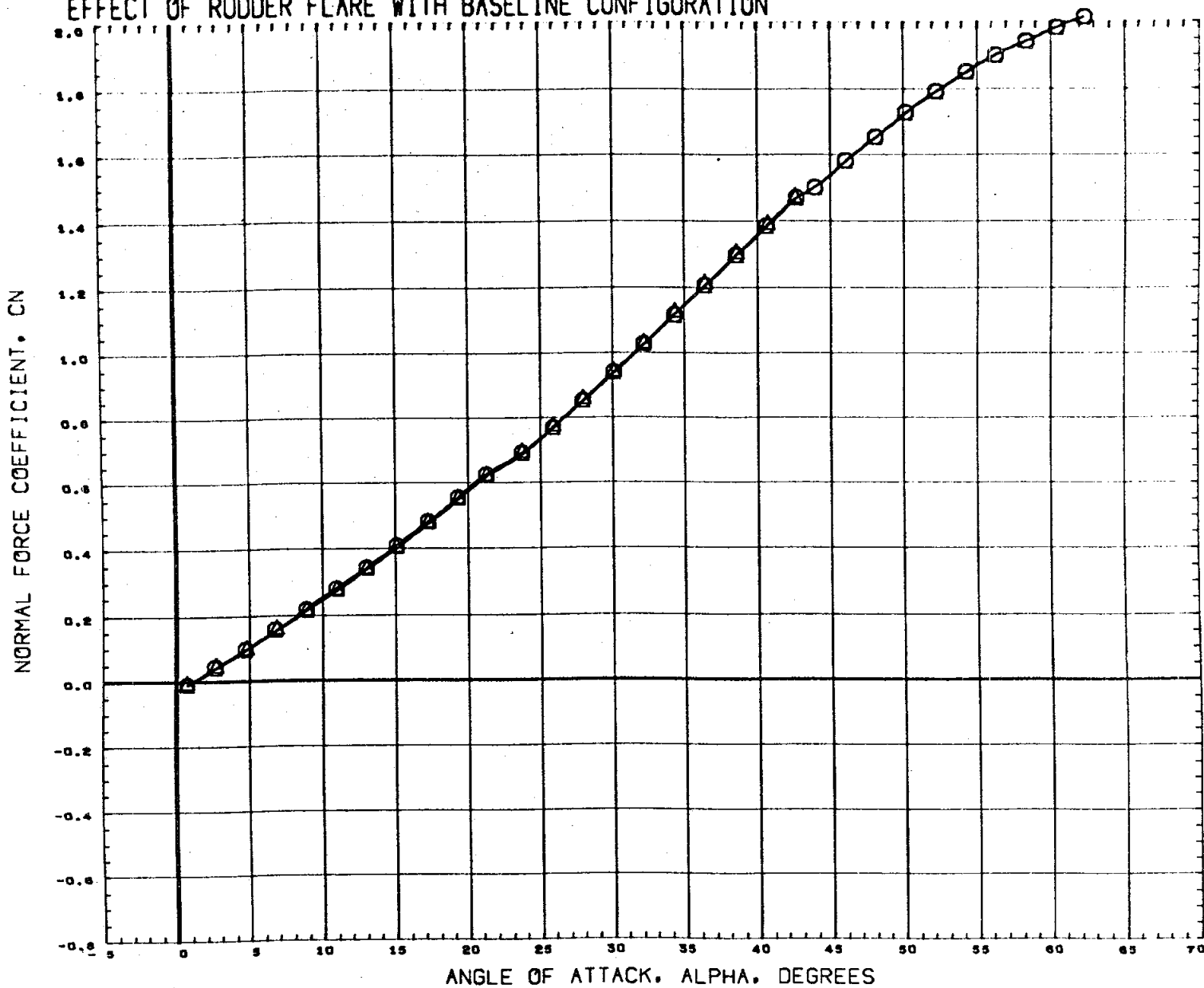


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUDFLR	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76523)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	40.000	LREF	2.1020 IN.
					BREF	4.0300 IN.
					XMRP	3.4330 IN.
					YMRP	0.0000 IN.
					ZMRP	0.0000 IN.
					SCALE	0.0040

MACH 1.97

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION

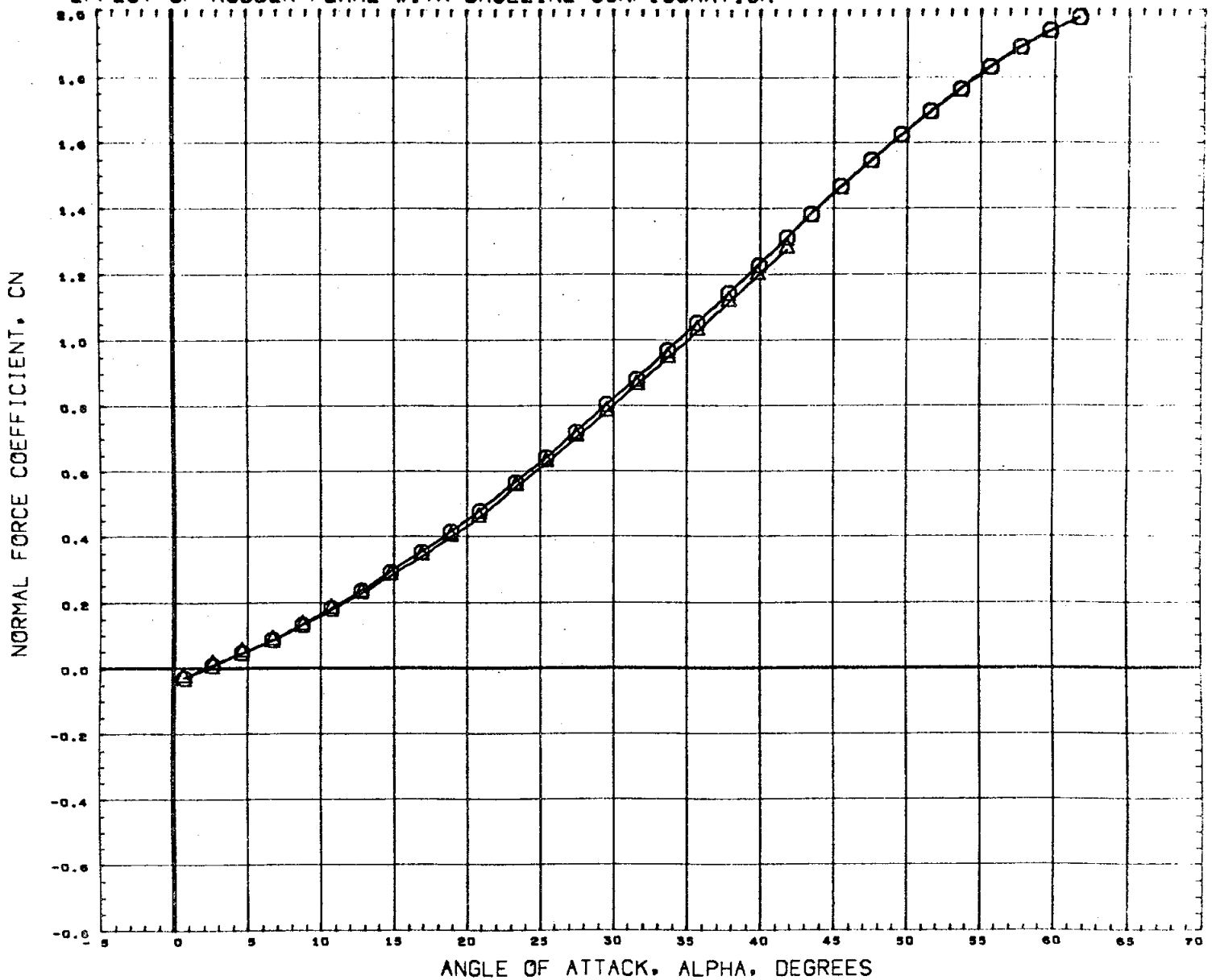


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUDFLR	REFERENCE INFORMATION	
(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1N1) (W1E1) (V1K1R1)	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C7652S)	M555 (FA3) NAR ATP ORB (B1C1D1F1N1) (W1E1) (V1K1R1)	0.000	0.000	40.000	LREF	2.1020 IN.
					SREF	4.0300 IN.
					XMRP	3.4550 IN.
					YMRP	0.0000 IN.
					ZMRP	0.0000 IN.
					SCALE	0.0040

MACH 2.99

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION

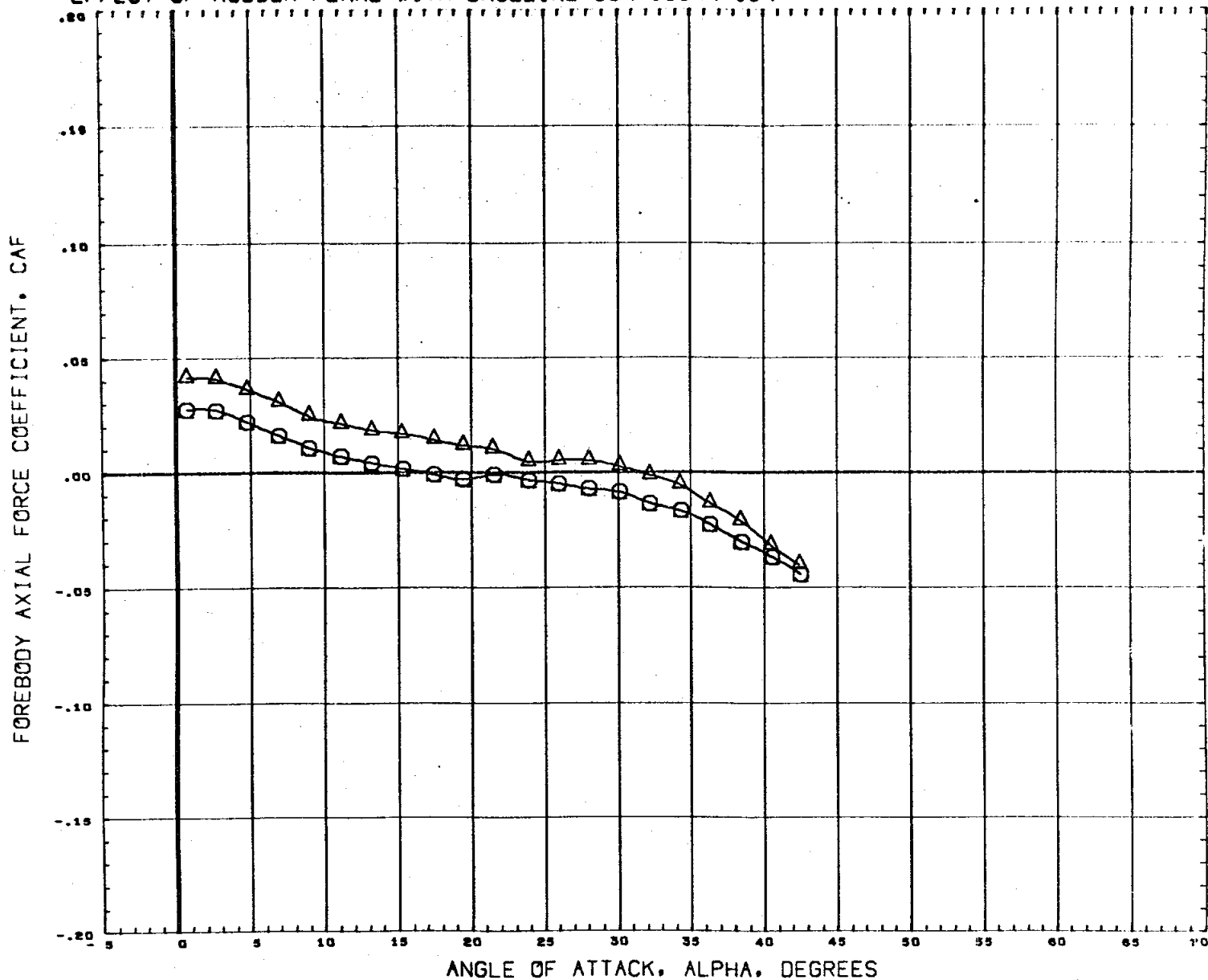


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUDFLR	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76523)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	40.000	LREF	2.1020 IN.
					BREF	4.0300 IN.
					XMRP	3.4530 IN.
					YMRP	0.0000 IN.
					ZMRP	0.0000 IN.
					SCALE	0.0040

MACH 4.96

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION

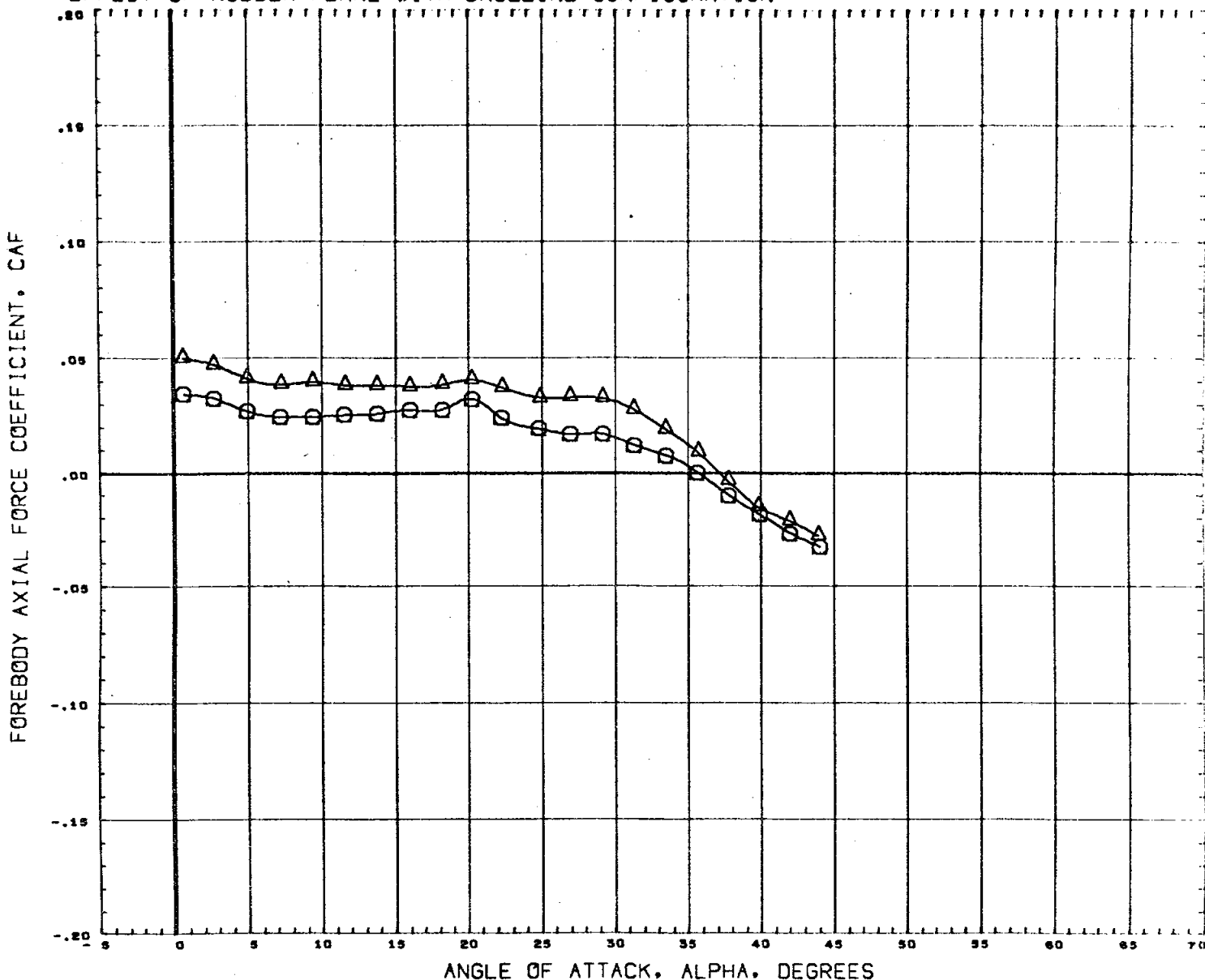


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUDFLR	REFERENCE INFORMATION	
(C76308)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76525)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	40.000	LREF	2.1020 IN.
					BREF	4.0300 IN.
					XMRP	3.4530 IN.
					YMRP	0.0000 IN.
					ZMRP	0.0000 IN.
					SCALE	0.0040

MACH .59

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION



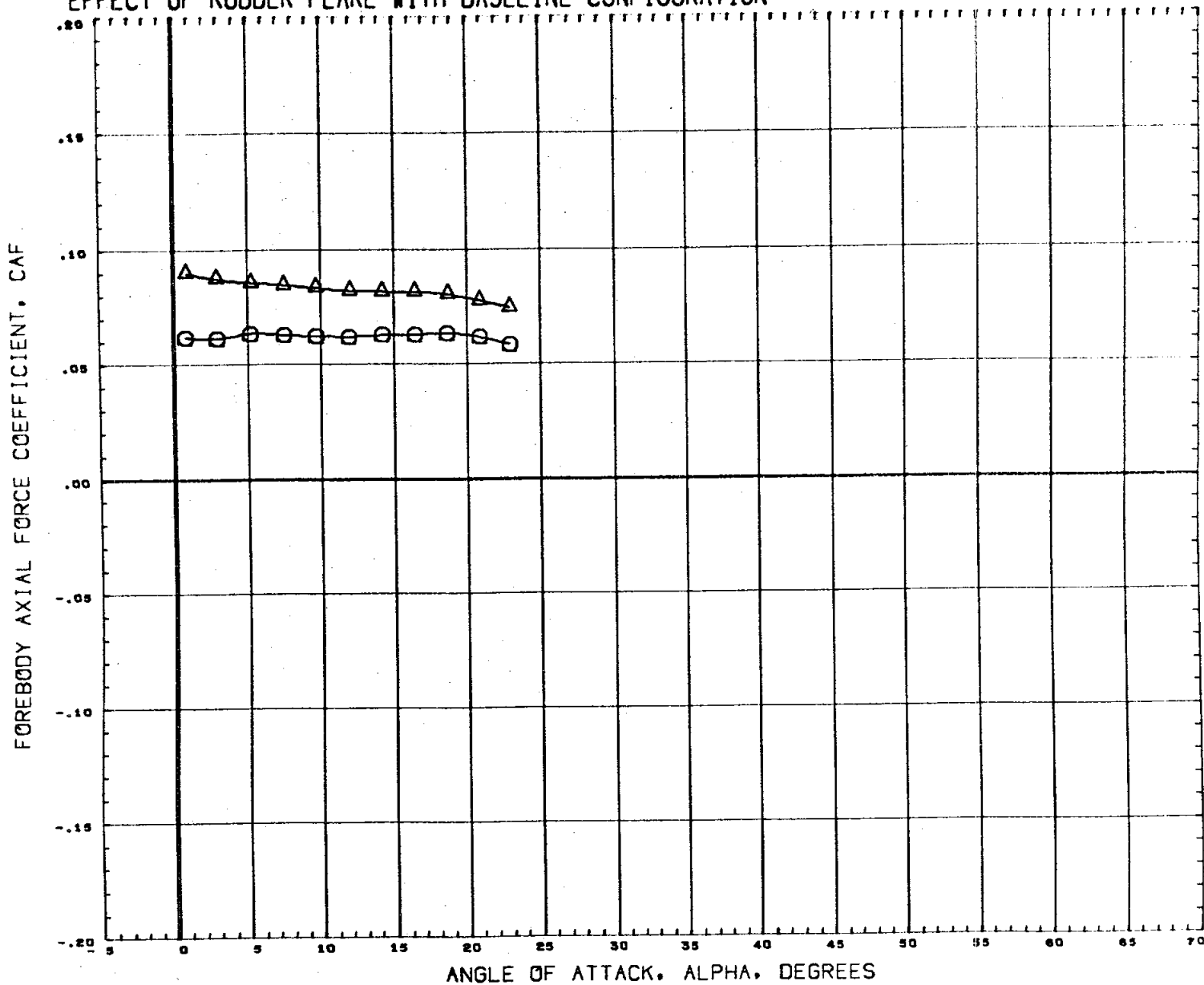
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUDFLR
(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000
(C7652S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	40.000

REFERENCE INFORMATION		
SREF	7.4190	52. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH .90

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
(C76S23)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

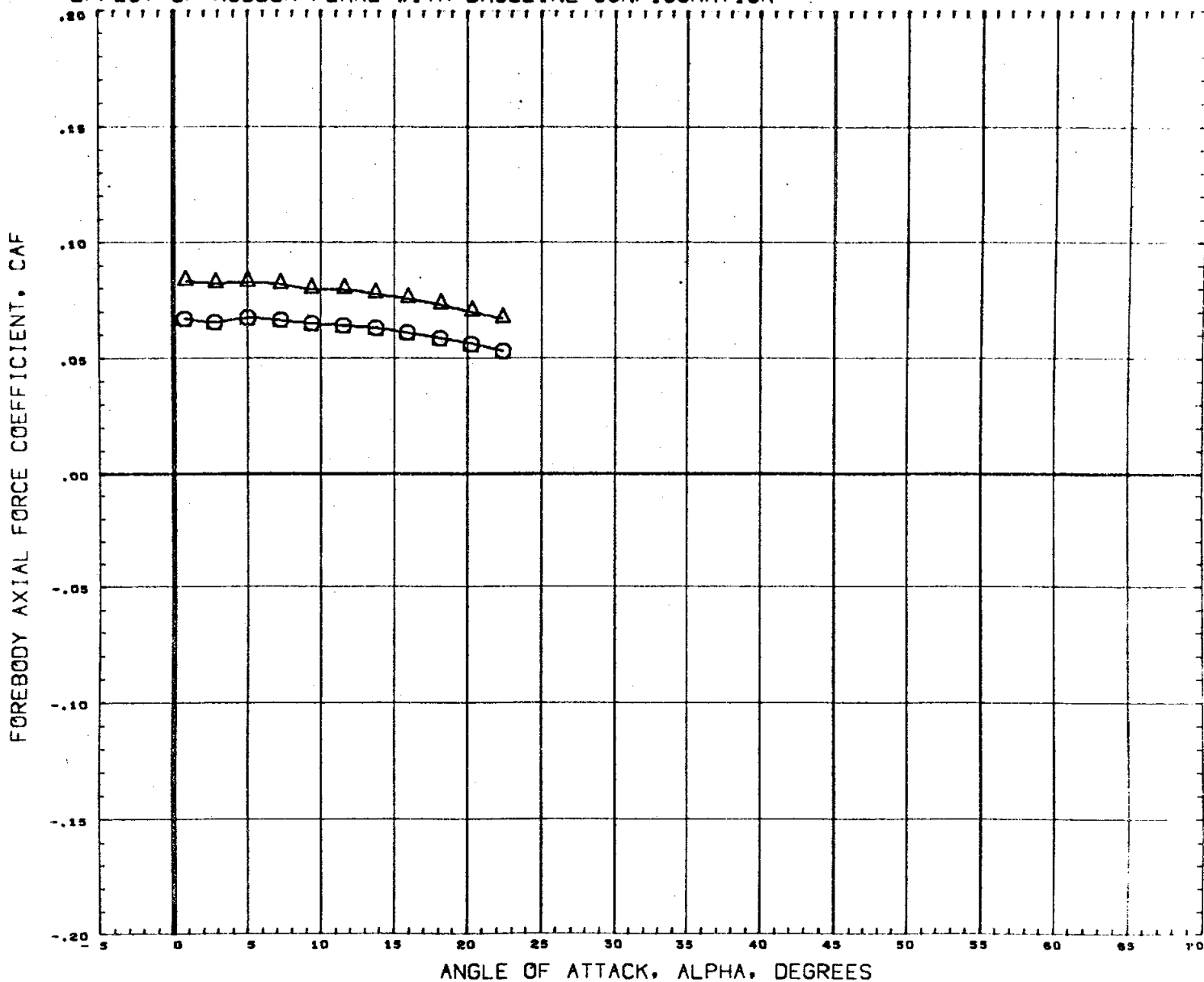
BETA	RUDDER	RUDFLR
0.000	0.000	10.000
0.000	0.000	40.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 1.20

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION

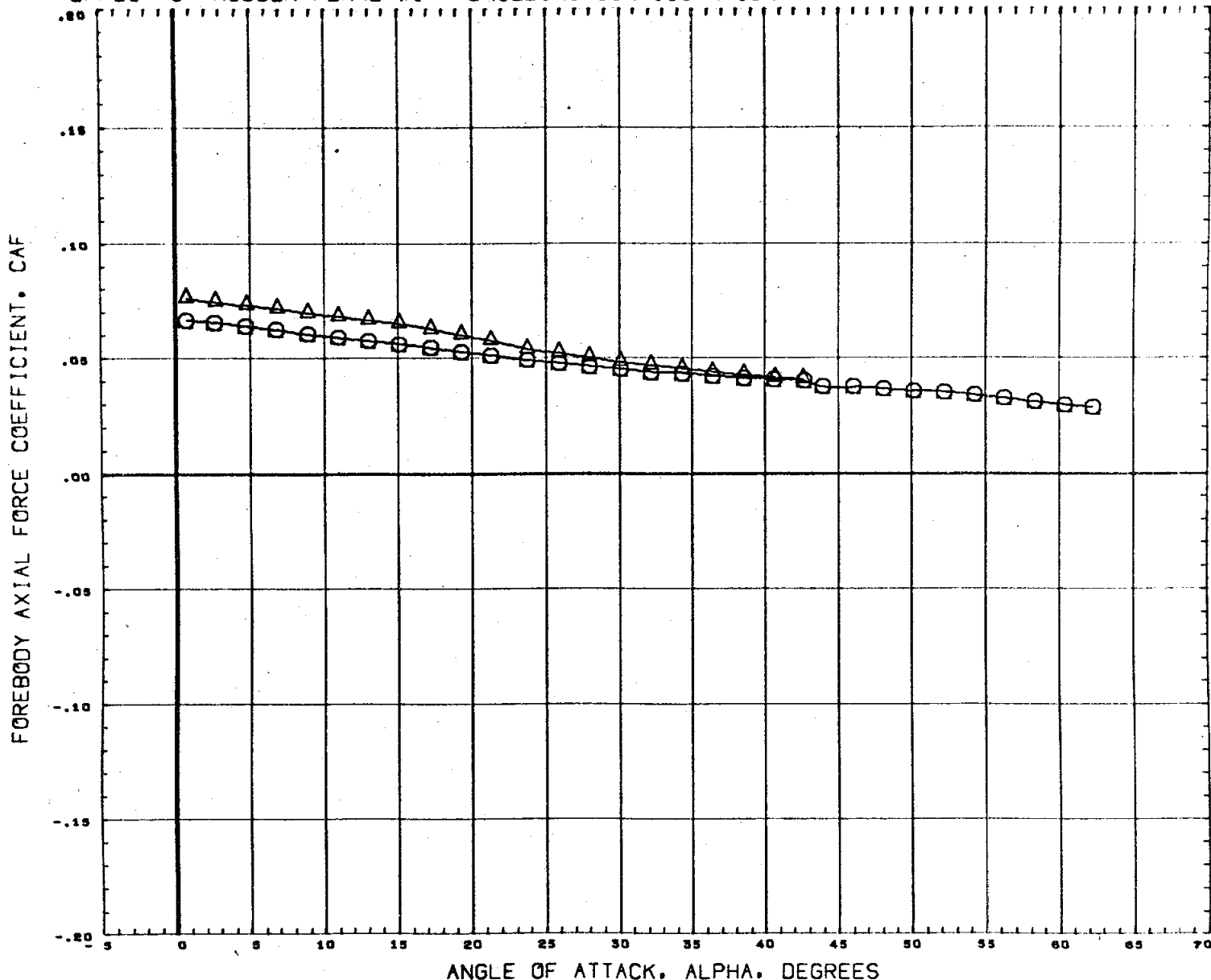


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUOFLR	REFERENCE INFORMATION	
(C76303)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76523)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	40.000	LREF	2.1020 IN.
					BREF	4.0300 IN.
					XMRP	3.4530 IN.
					YMRP	0.0000 IN.
					ZMRP	0.0000 IN.
					SCALE	0.0040

MACH 1.97

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION

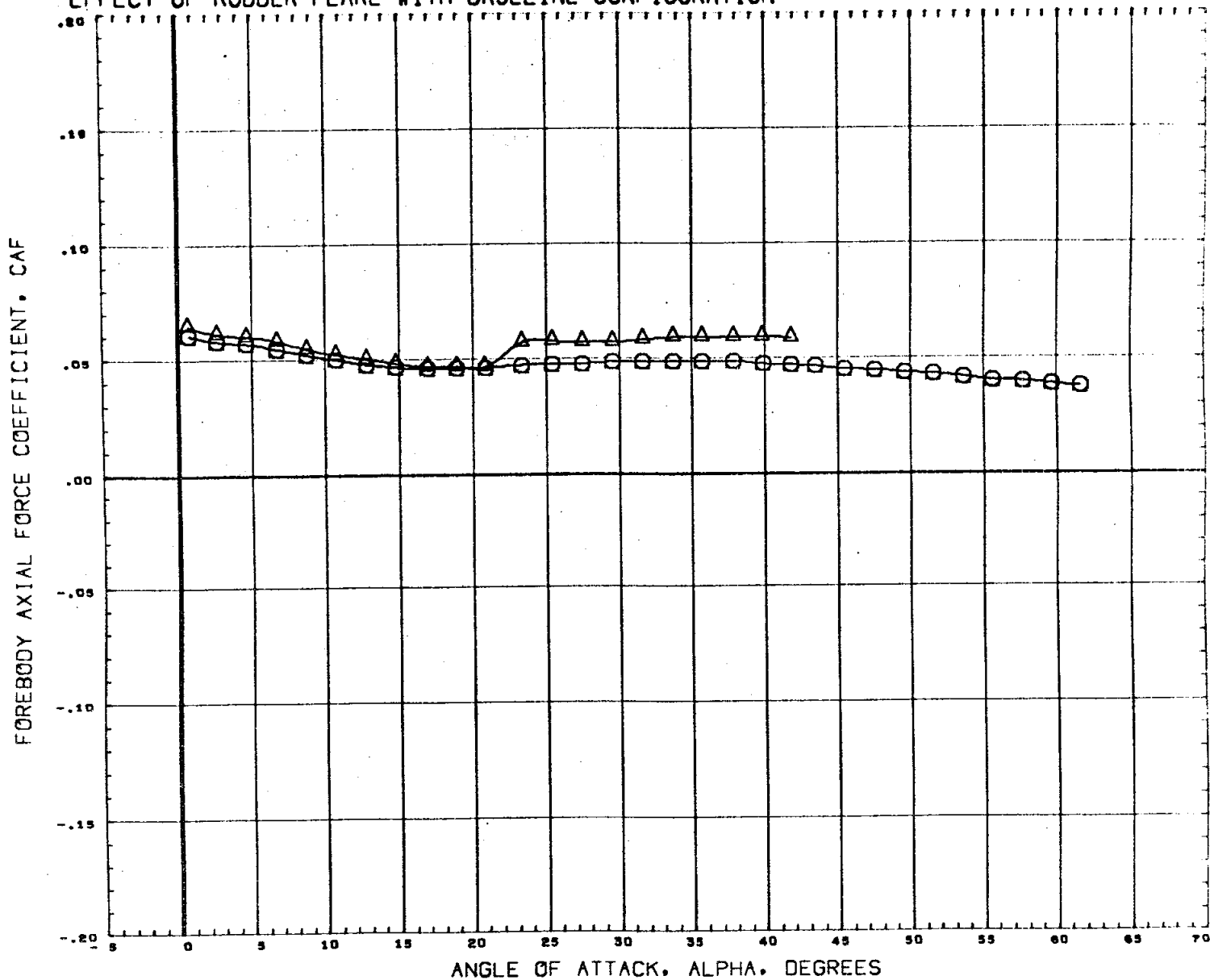


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUOFLR	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76323)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	40.000	LREF	2.1020 IN.
					BREF	4.0300 IN.
					XMRP	3.4530 IN.
					YMRP	0.0000 IN.
					ZMRP	0.0000 IN.
					SCALE	0.0040

MACH 2.99

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION

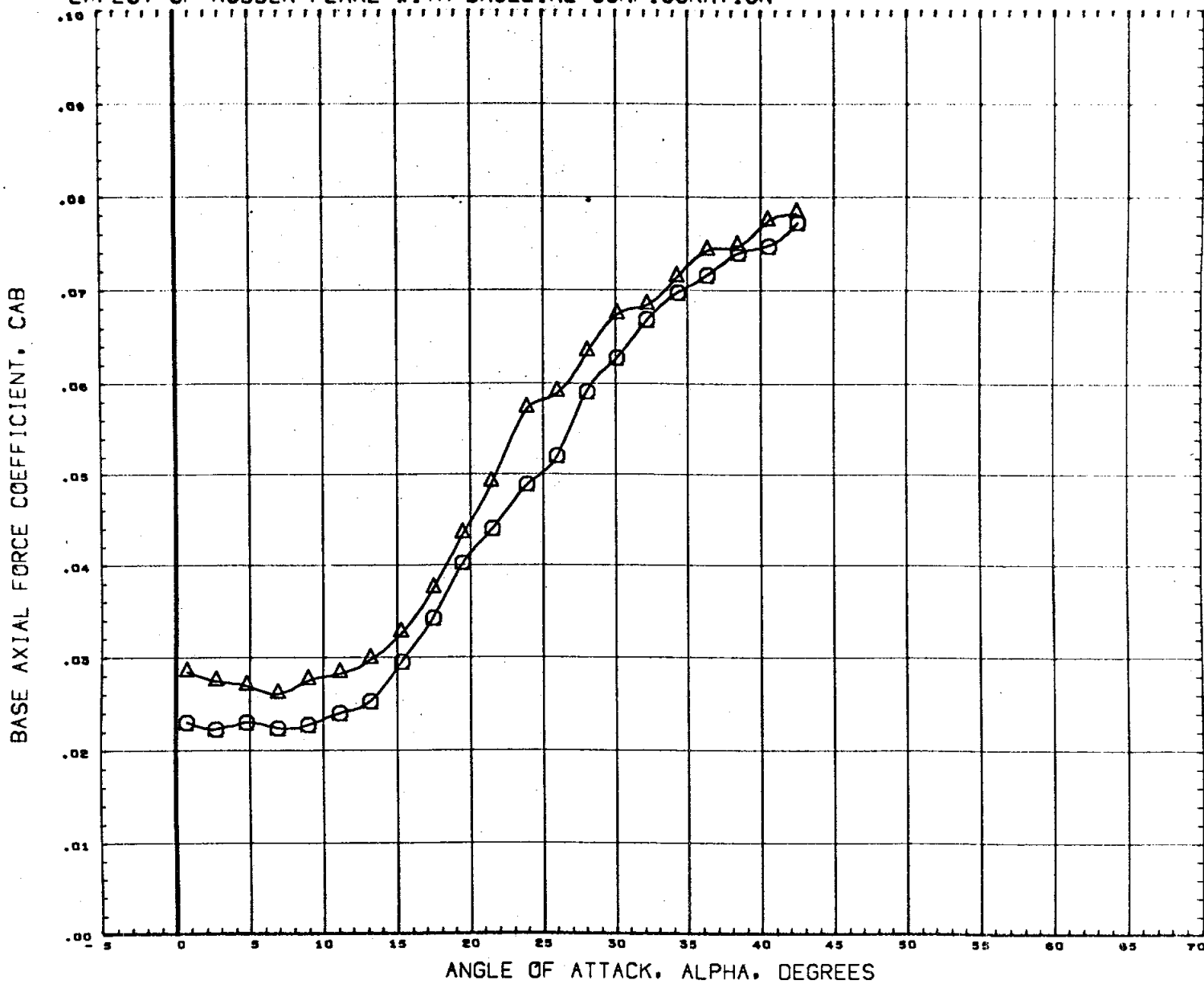


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUDFLR	REFERENCE INFORMATION	
(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76323)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	40.000	LREF	2.1020 IN.
					BREF	4.0300 IN.
					XMRP	3.4530 IN.
					YMRP	0.0000 IN.
					ZMRP	0.0000 IN.
					SCALE	0.0040

MACH 4.96

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION



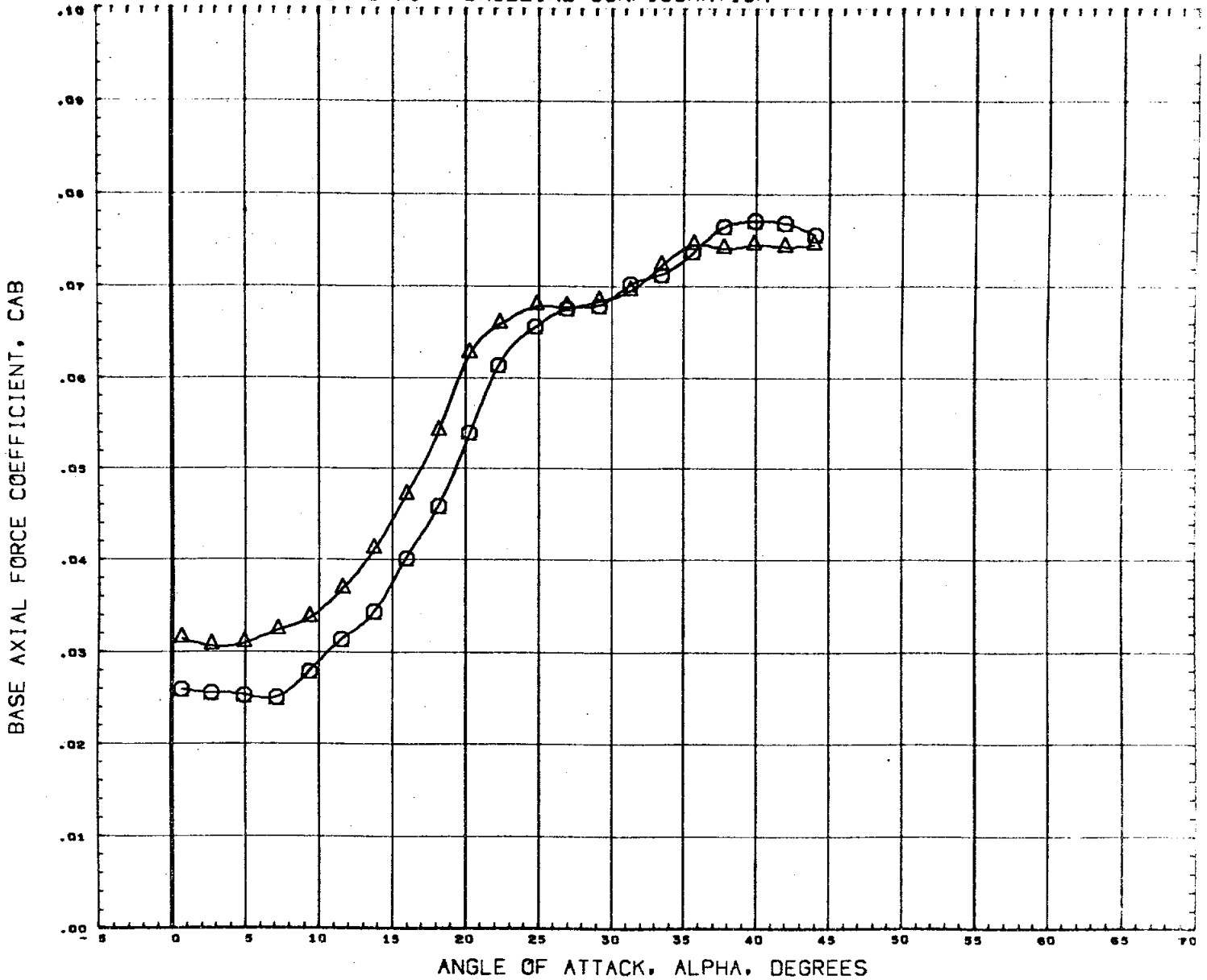
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUDFLR
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000
(C76323)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	40.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	IN.

MACH .59

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(C7630S) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

(C7632S) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

BETA RUDDER RUDFLR

0.000 0.000 10.000

0.000 0.000 40.000

REFERENCE INFORMATION

SREF 7.4190 SQ. IN.

LREF 2.1020 IN.

BREF 4.0300 IN.

XMRF 3.4530 IN.

YMRF 0.0000 IN.

ZMRF 0.0000 IN.

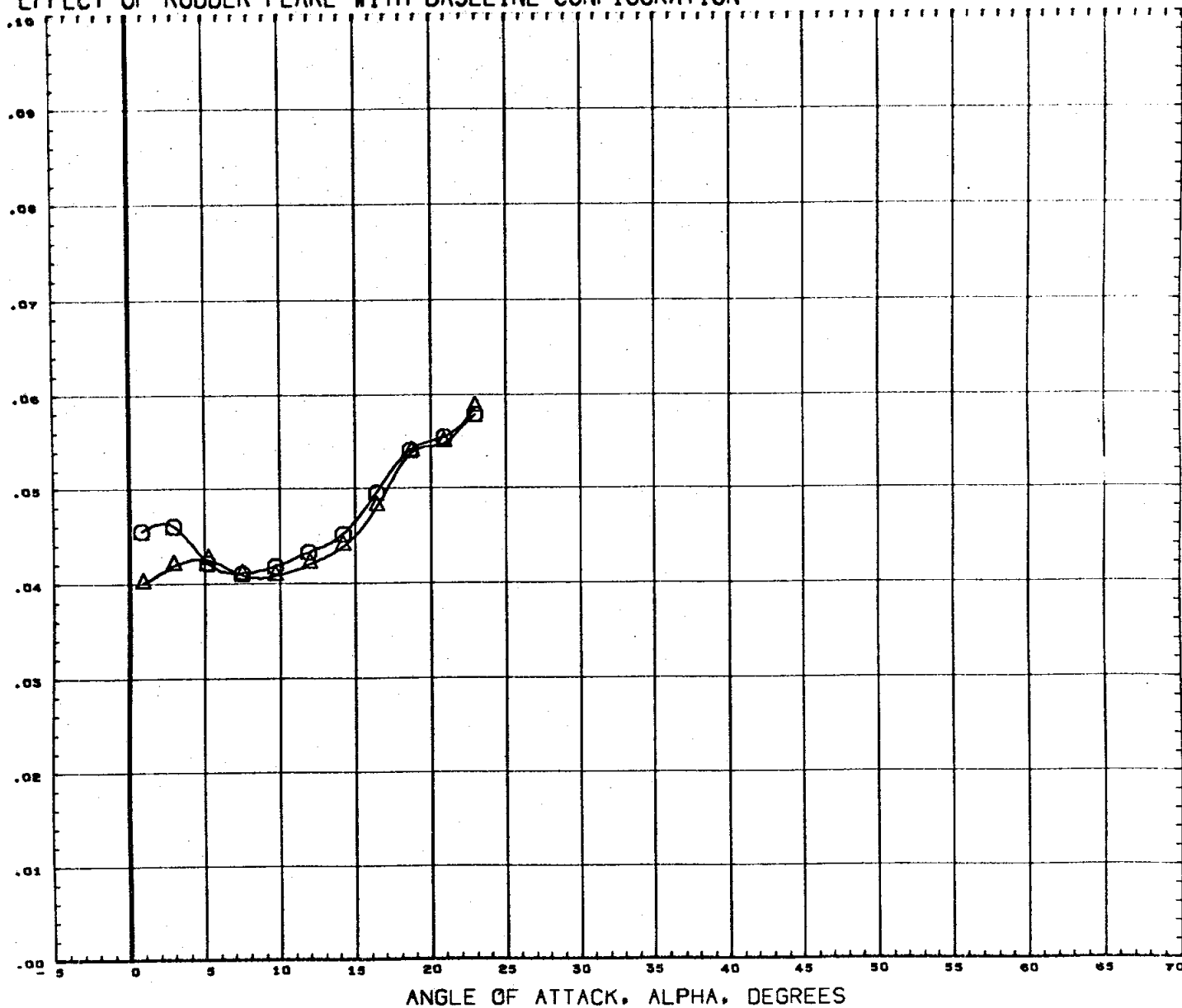
SCALE 0.0040

MACH .90

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION

BASE AXIAL FORCE COEFFICIENT, CAB



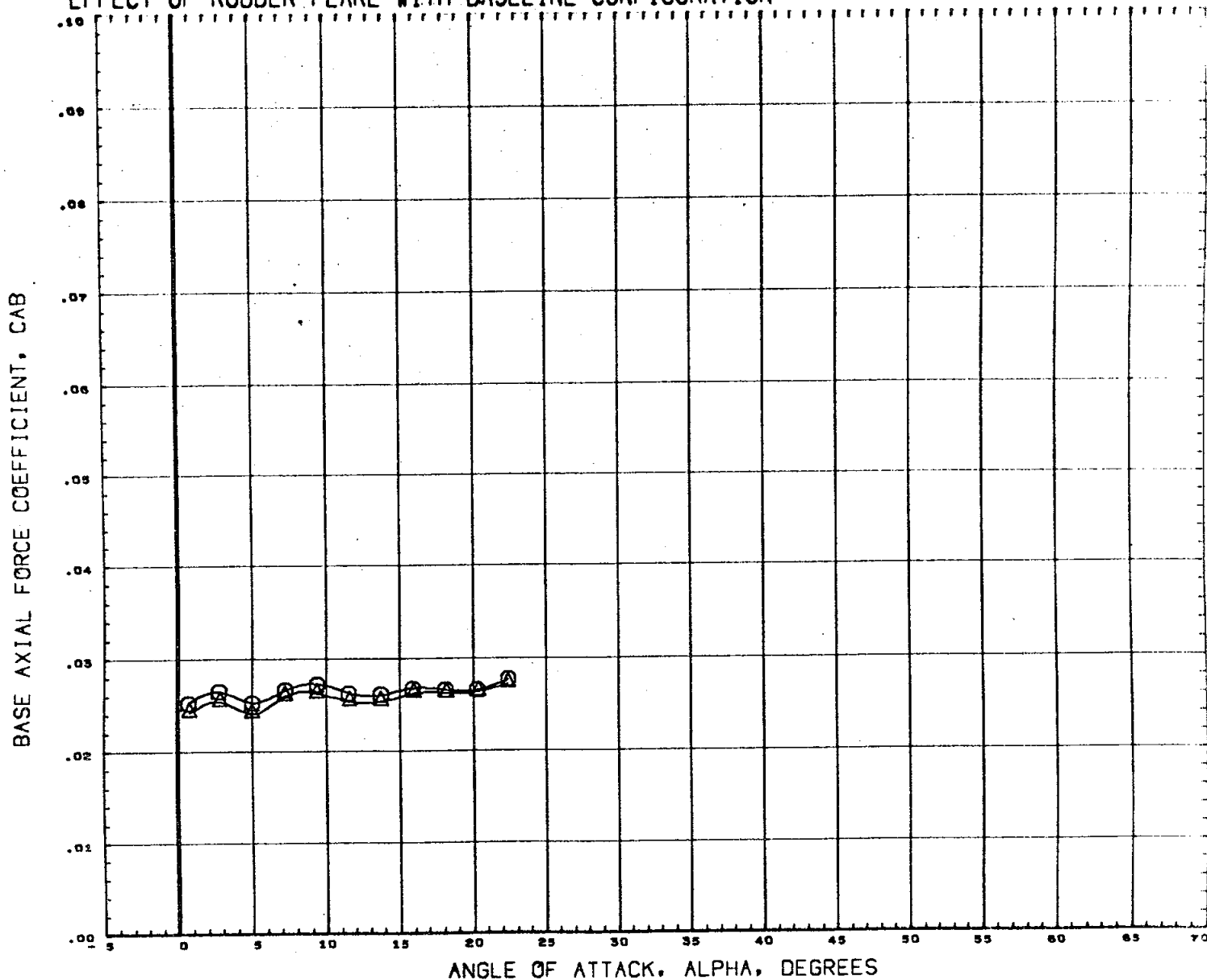
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUDFLR
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000
(C76323)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	40.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 1.20

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION



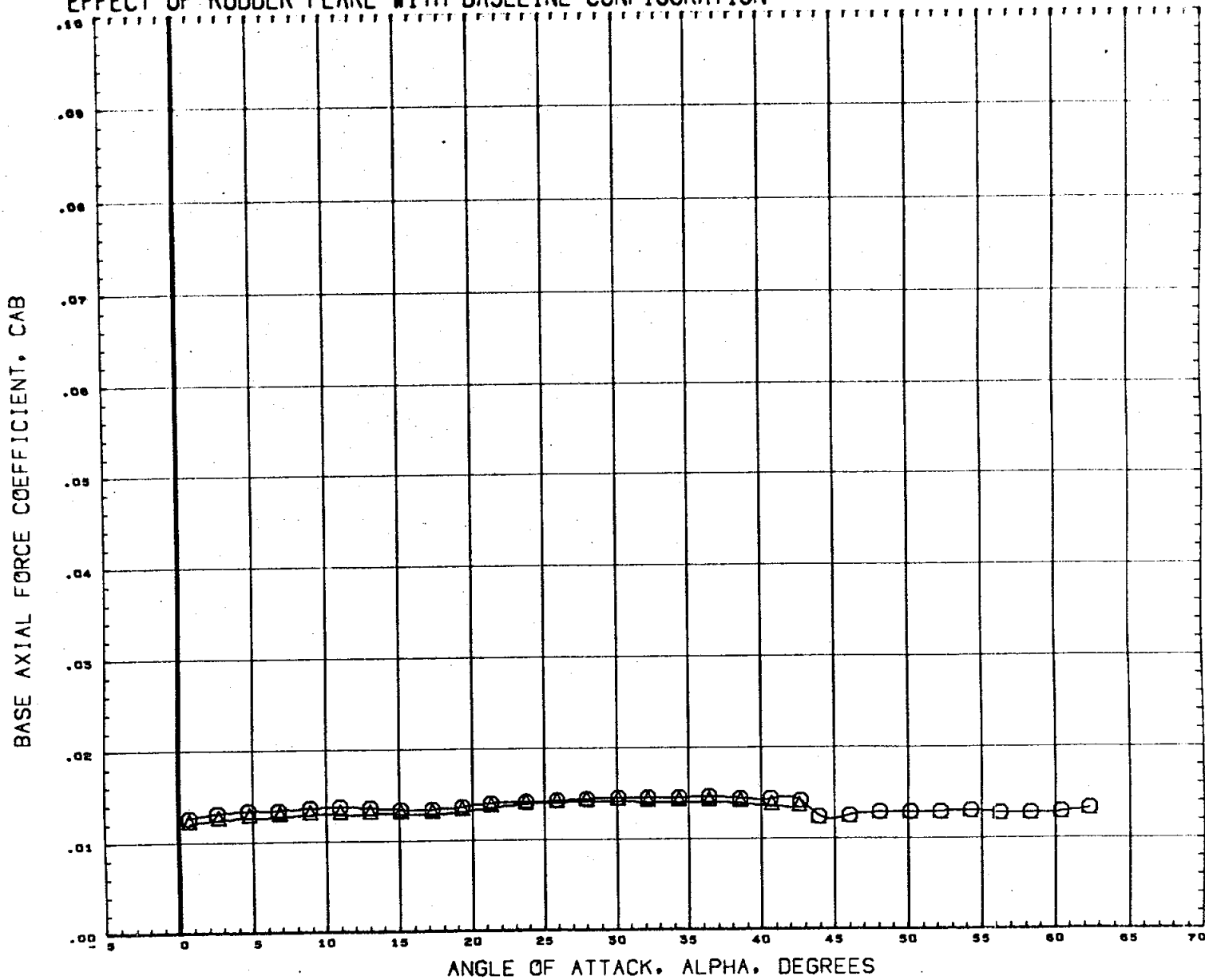
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUDFLR
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000
(C76323)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	40.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 1.97

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION

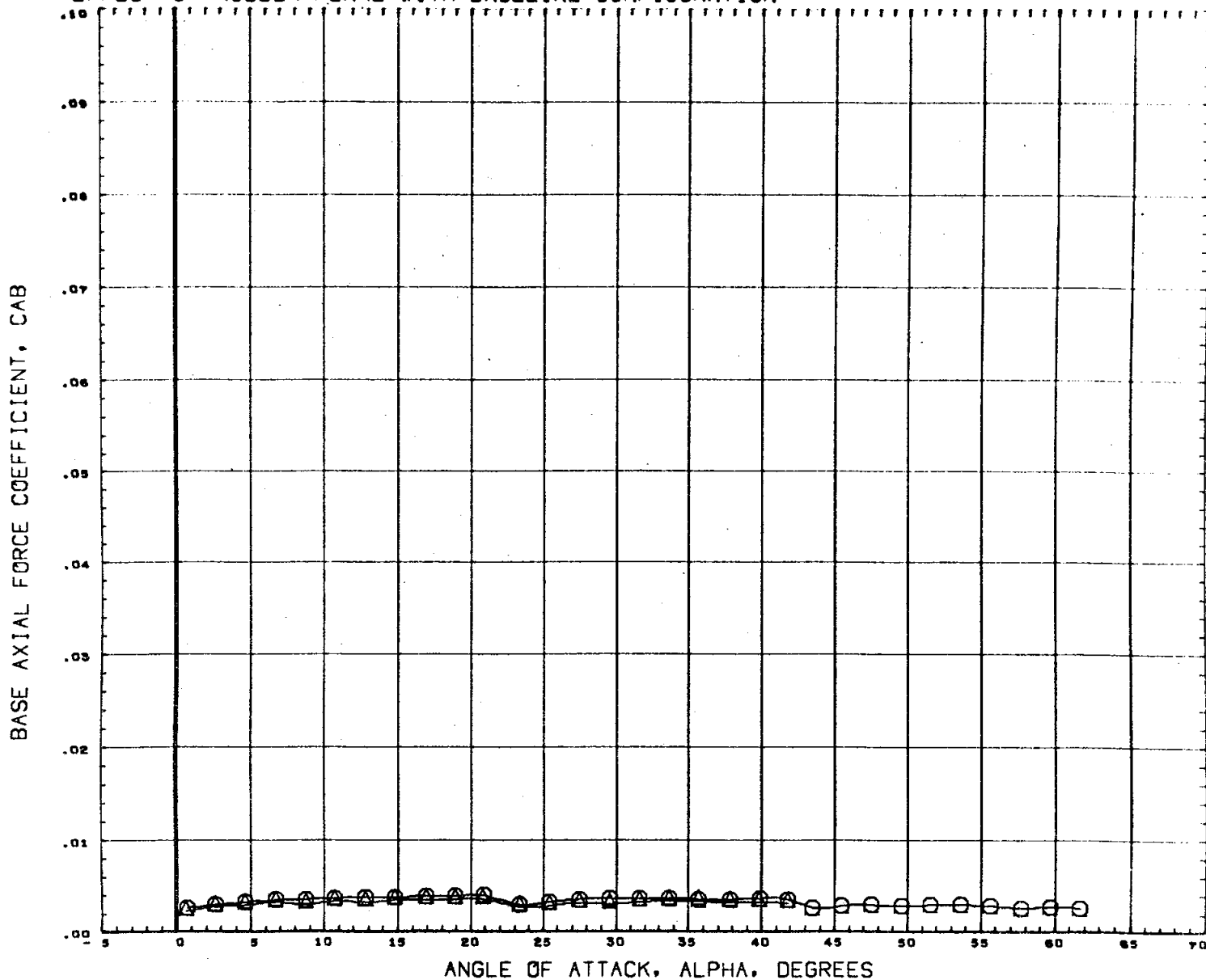


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUOFLR	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76523)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	40.000	LREF	2.1020 IN.
					BREF	4.0300 IN.
					XMRP	3.4930 IN.
					YMRP	0.0000 IN.
					ZMRP	0.0000 IN.
					SCALE	0.0040

MACH 2.99


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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(C76305)  M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

(C76323)  M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

BETA RUDDER RUDFLR

0.000 0.000 10.000

0.000 0.000 40.000

REFERENCE INFORMATION

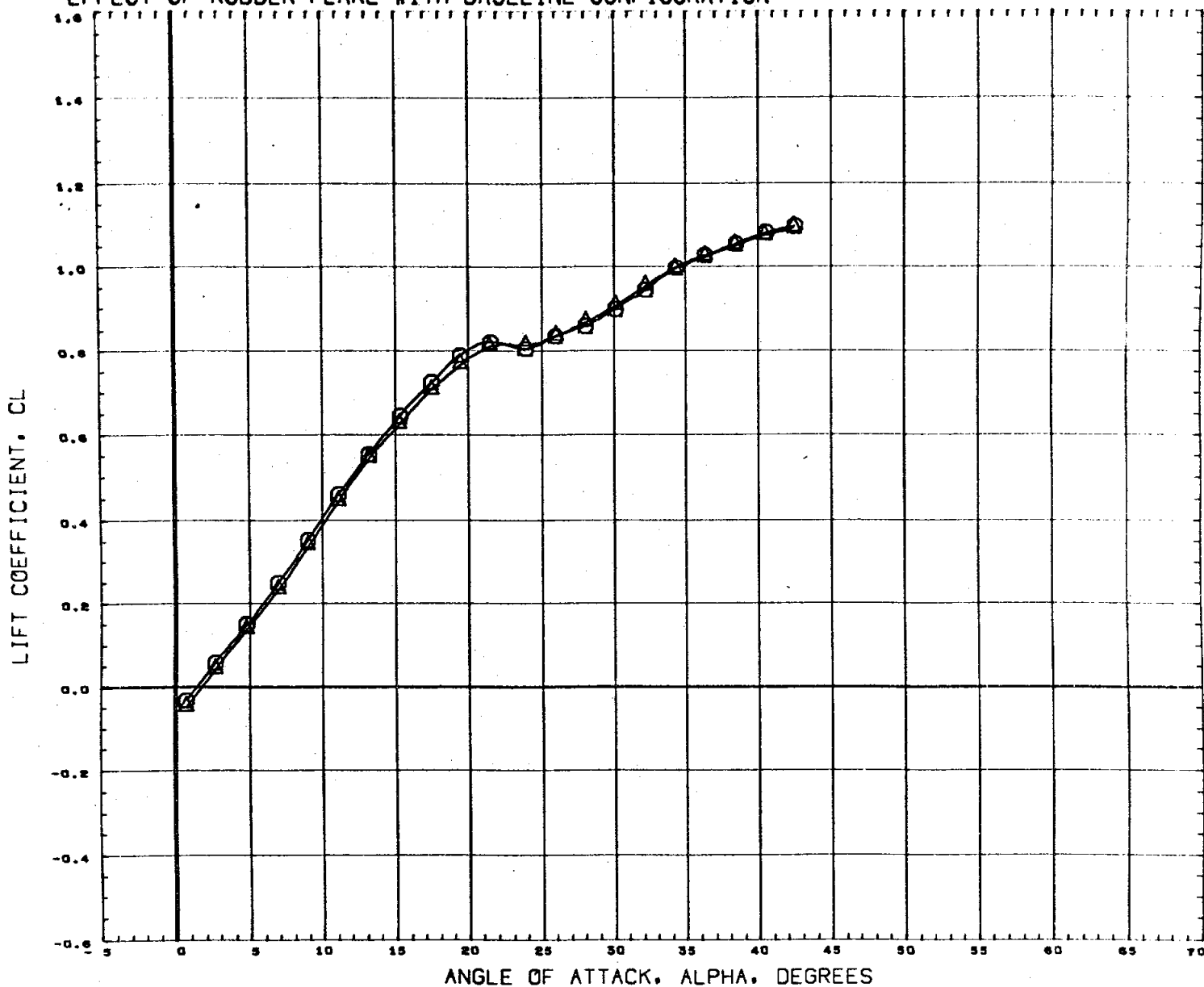
SREF 7.4190 SQ. IN.
 LREF 2.1020 IN.
 BREF 4.0300 IN.
 XMRP 3.4330 IN.
 YMRP 0.0000 IN.
 ZMRP 0.0000 IN.
 SCALE 0.0040

MACH


4.96

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(C76305)  M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

(C76323)  M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

BETA RUDDER RUDFLR

0.000 0.000 10.000

0.000 0.000 40.000

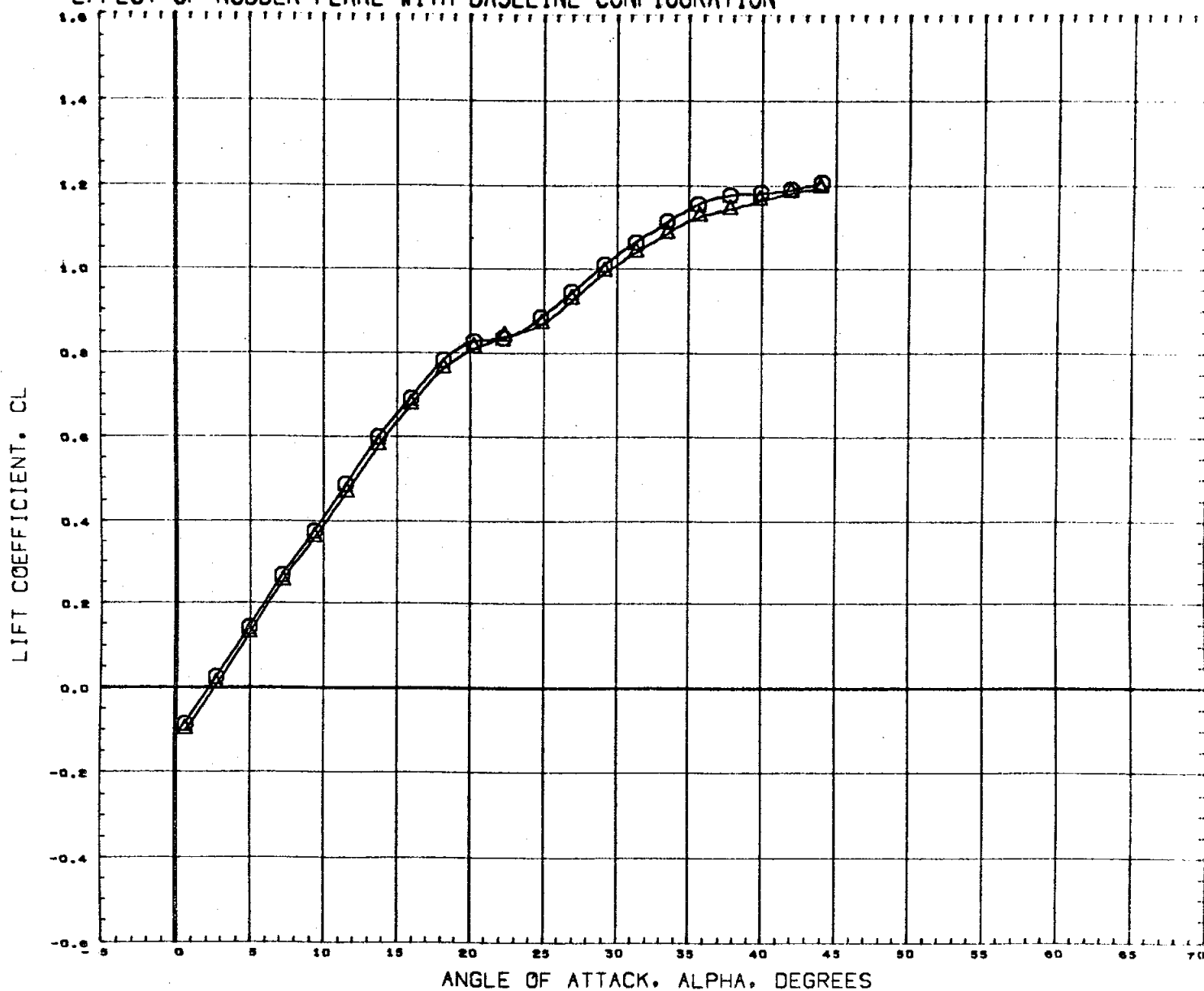
REFERENCE INFORMATION

SREF 7.4190 SQ. IN.
LREF 2.1020 IN.
BREF 4.0300 IN.
XMRP 3.4530 IN.
YMRP 0.0000 IN.
ZMRP 0.0000 IN.
SCALE 0.0040

MACH .59

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION

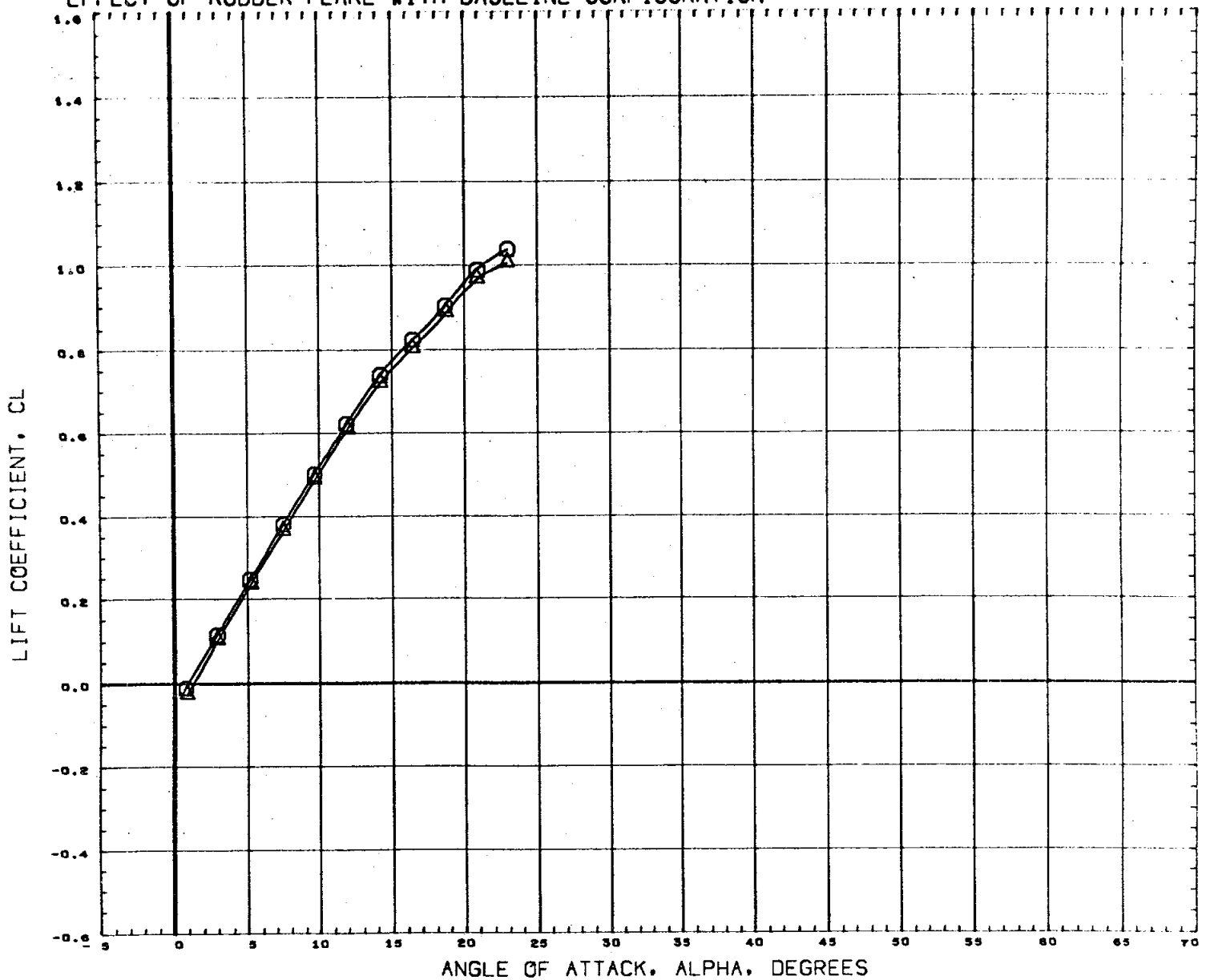


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUDFLR	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76523)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	40.000	LREF	2.1020 IN.
					BREF	4.0300 IN.
					XMRF	3.4530 IN.
					YMRF	0.0000 IN.
					ZMRF	0.0000 IN.
					SCALE	0.0040

MACH .90

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION

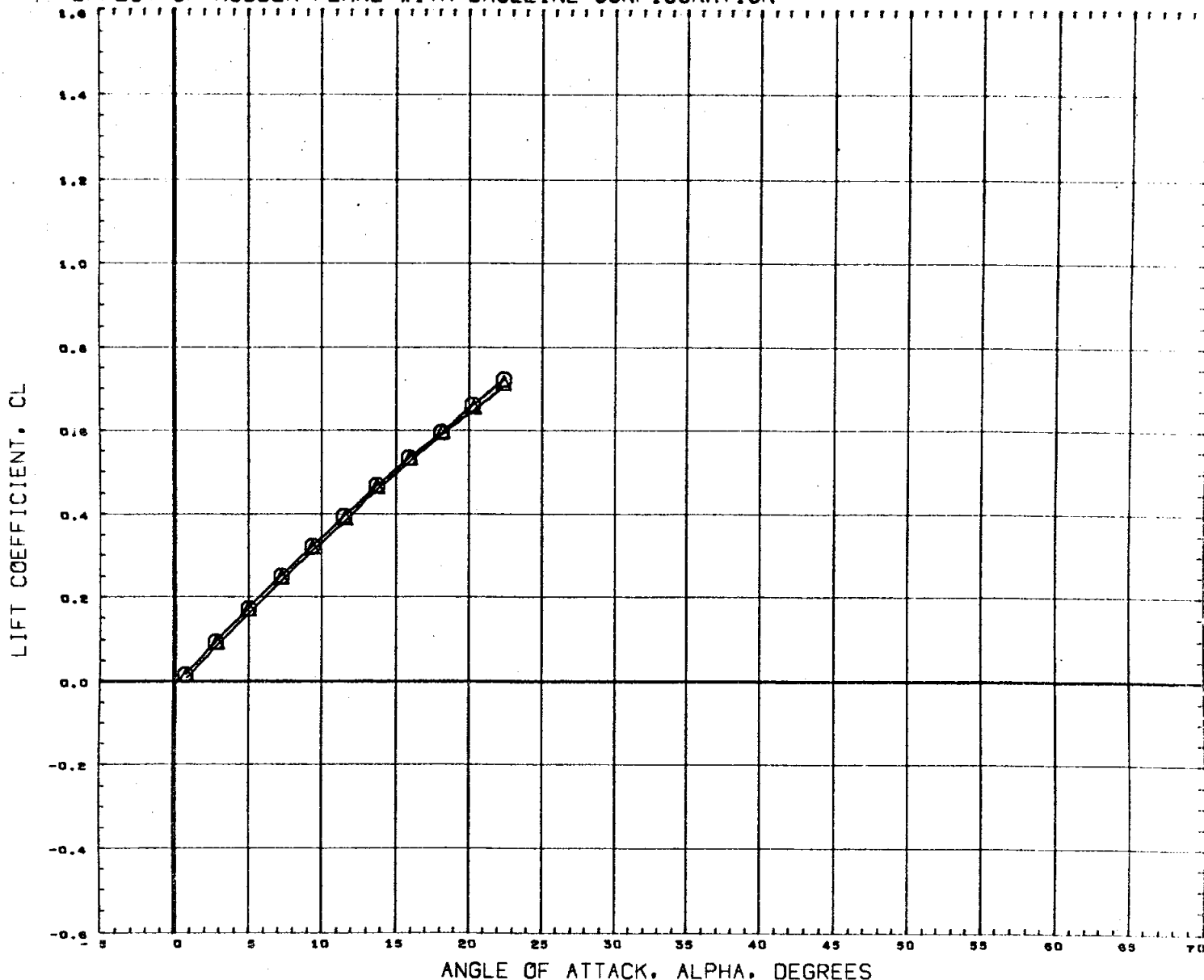


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUDFLR	REFERENCE INFORMATION	
(C7630S)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C7632S)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	40.000	LREF	2.1020 IN.
					BREF	4.0300 IN.
					XMRP	3.4530 IN.
					YMRP	0.0000 IN.
					ZMRP	0.0000 IN.
					SCALE	0.0040

MACH 1.20

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(C7630S) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

(C7632S) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

BETA RUDDER RUDFLR

0.000 0.000 10.000

0.000 0.000 40.000

REFERENCE INFORMATION

SREF 7.4190 SQ. IN.

LREF 2.1020 IN.

BREF 4.0300 IN.

XMRF 3.4330 IN.

YMRF 0.0000 IN.

ZMRF 0.0000 IN.

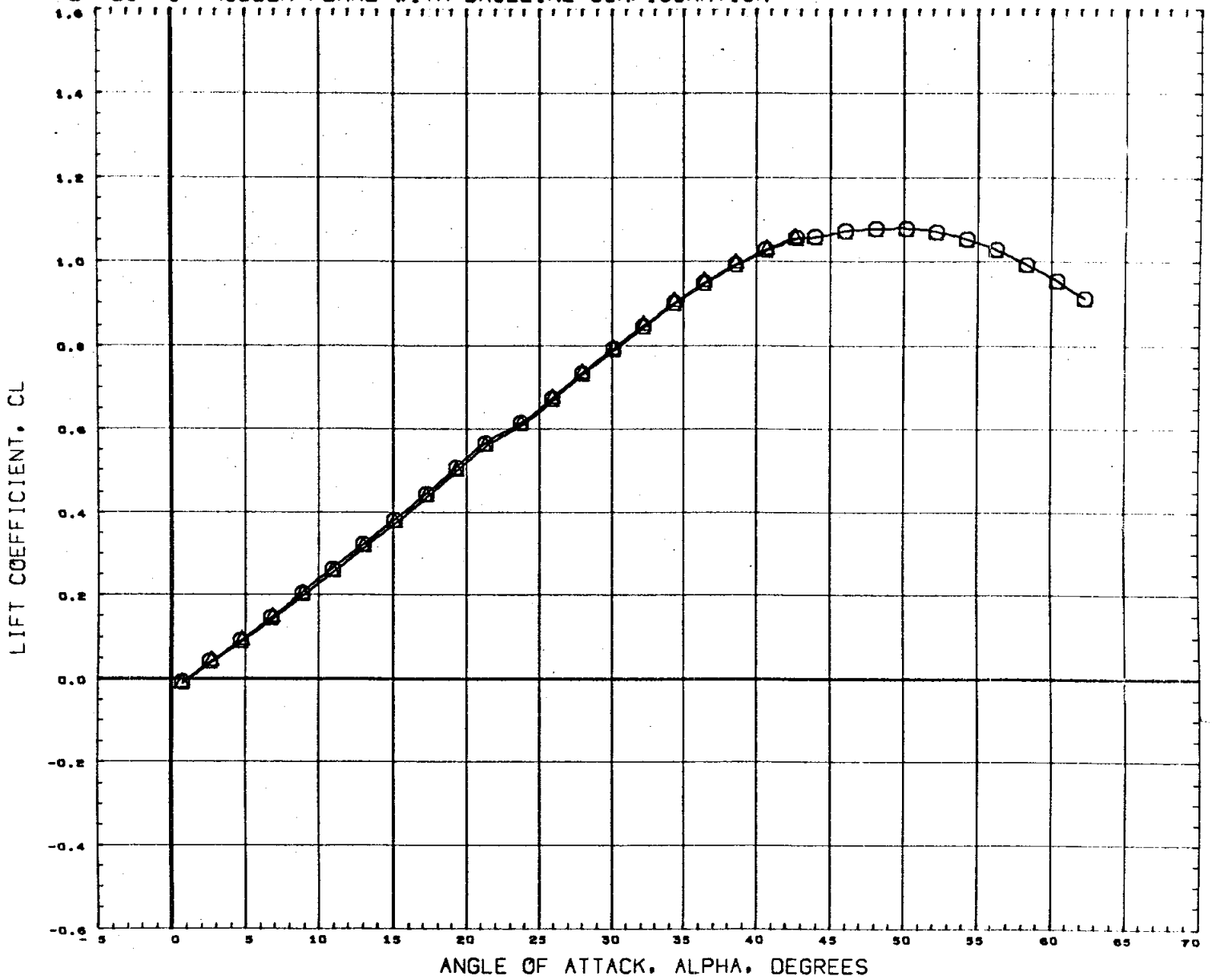
SCALE 0.0040

MACH

1.97

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION

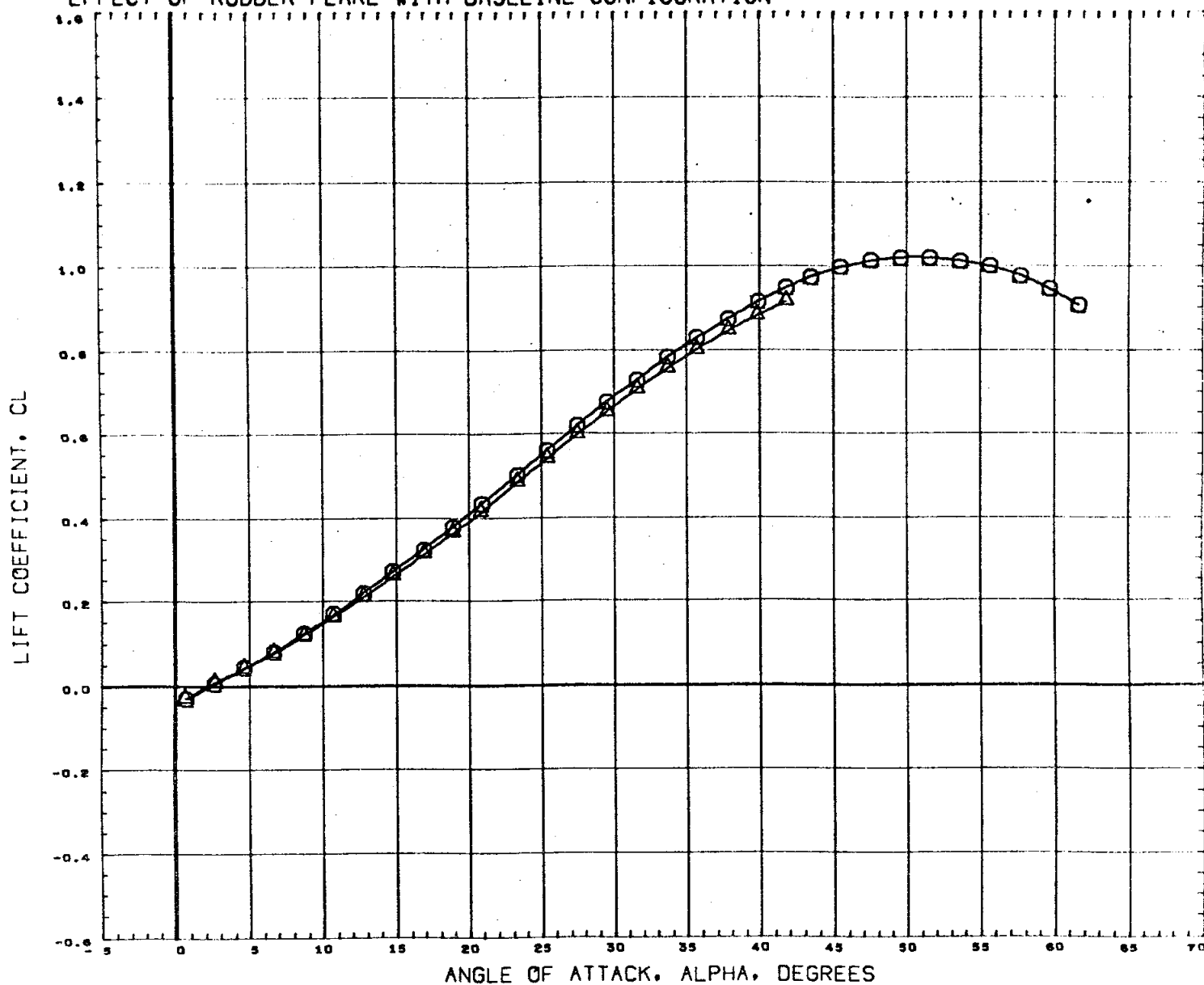


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUDFLR	REFERENCE INFORMATION	
(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76323)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	40.000	LREF	2.1020 IN.
					BREF	4.0300 IN.
					XMRP	3.4530 IN.
					YMRP	0.0000 IN.
					ZMRP	0.0000 IN.
					SCALE	0.0040

MACH 2.99

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION

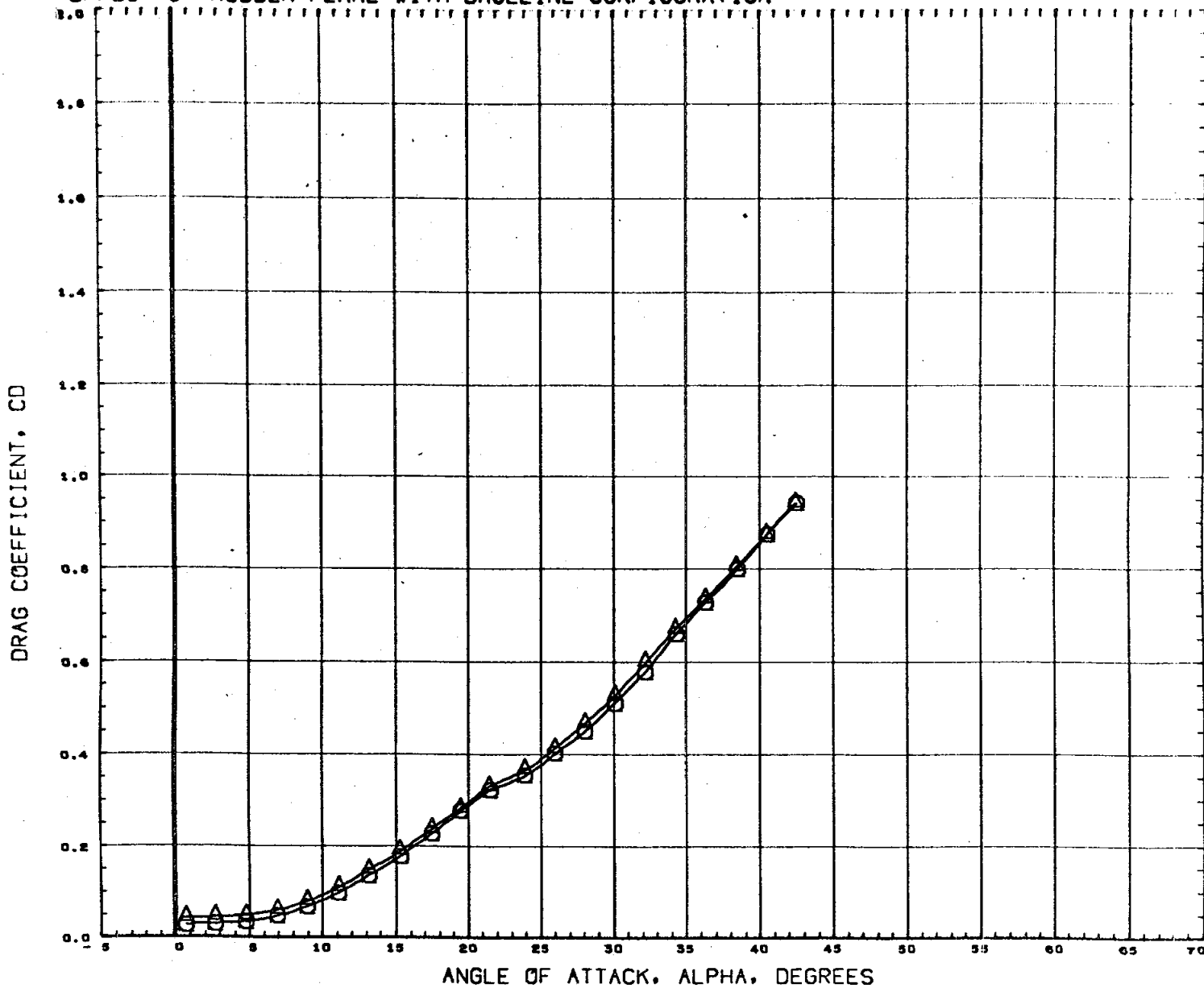


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUDFLR	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76523)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	40.000	LREF	2.1020 IN.
					BREF	4.0300 IN.
					XMRP	3.4930 IN.
					YMRP	0.0000 IN.
					ZMRP	0.0000 IN.
					SCALE	0.0040

MACH 4.96

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(C76305) M555 (FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

(C76523) M555 (FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

BETA	RUDDER	RUDFLR
0.000	0.000	10.000
0.000	0.000	40.000

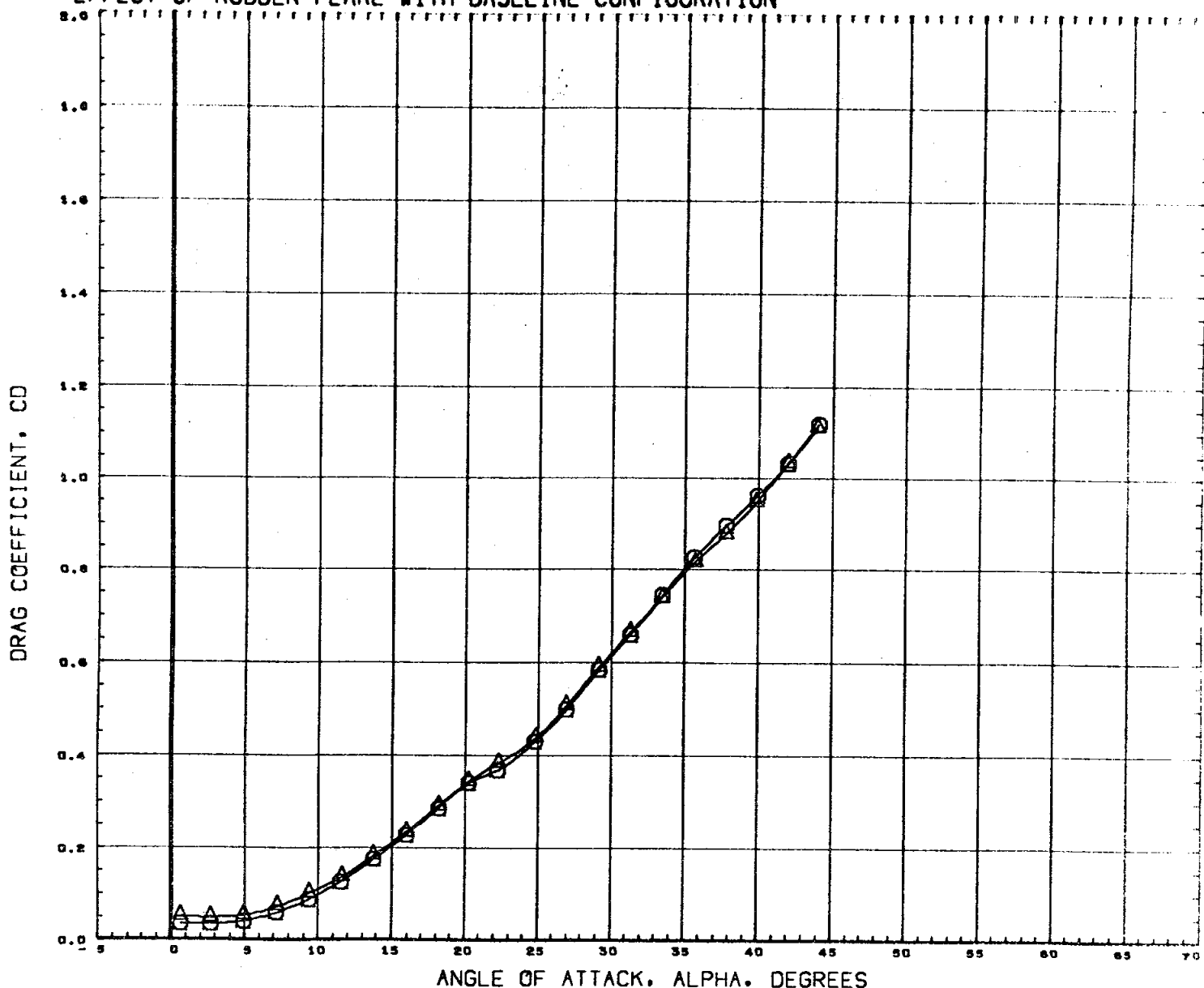
REFERENCE INFORMATION

SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4330	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH .59

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(C7630S)  M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

(C76S23)  M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

BETA	RUDDER	RUDFLR
0.000	0.000	10.000
0.000	0.000	40.000

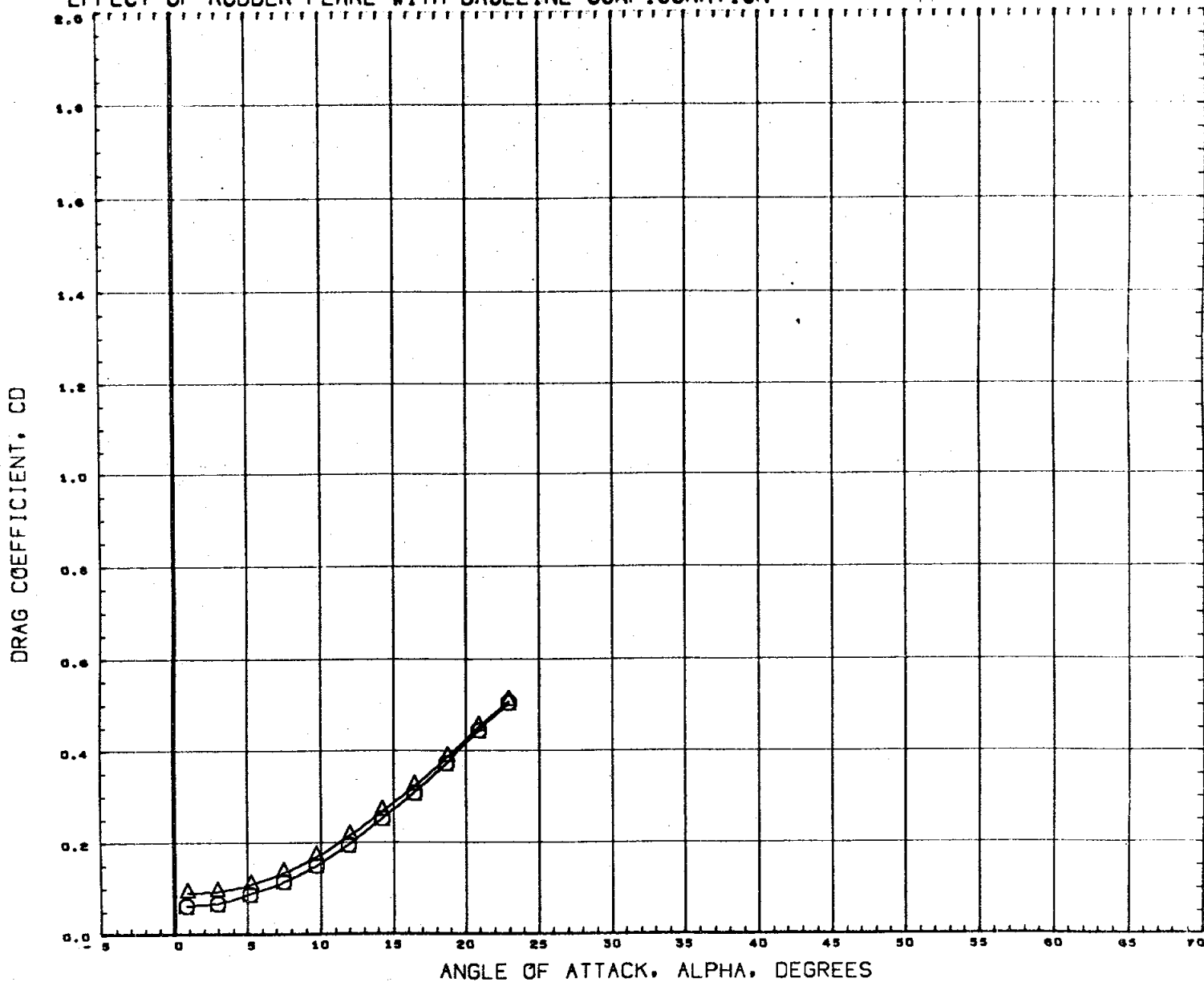
REFERENCE INFORMATION

SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4930	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH .90

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
(C76323)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

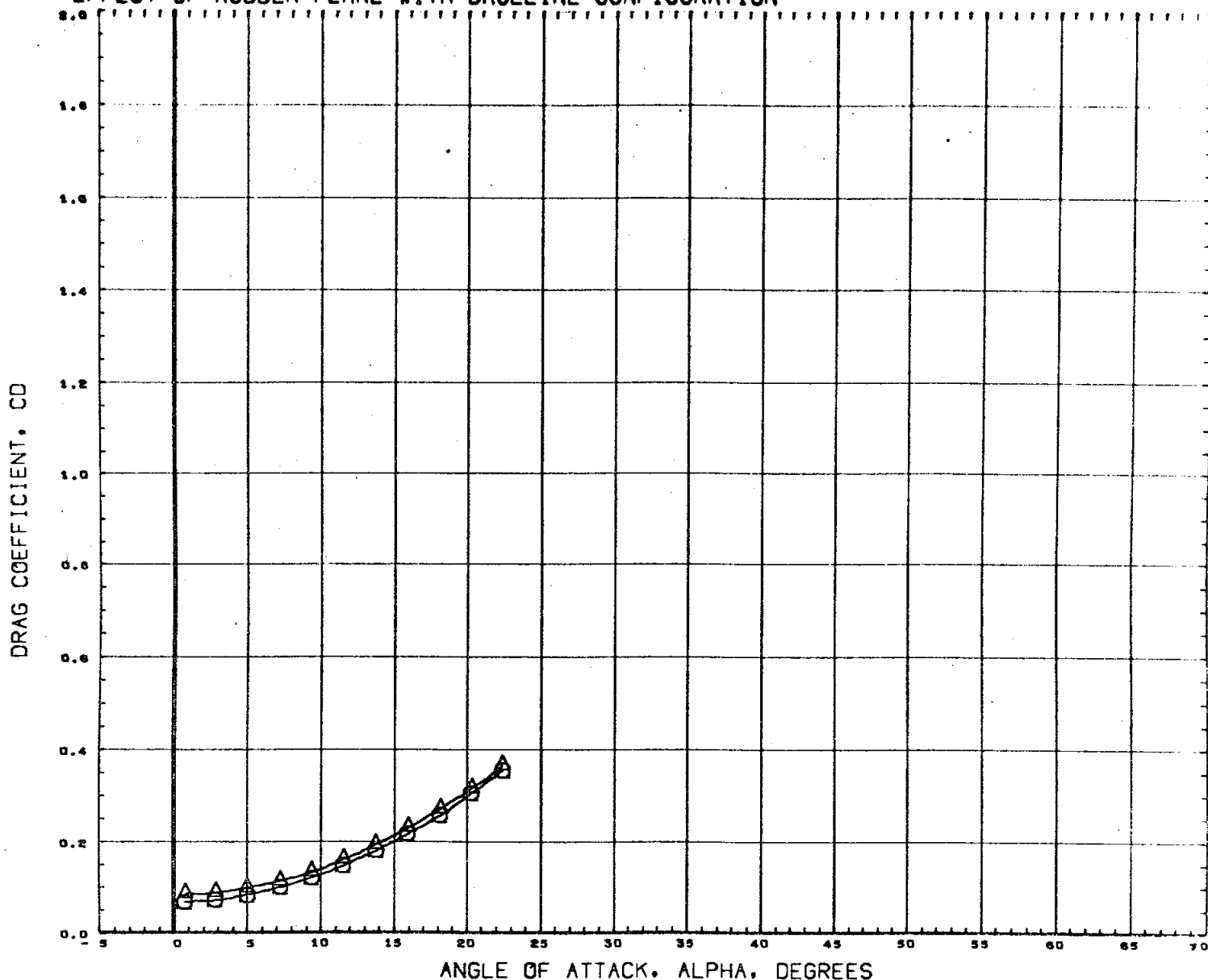
BETA	RUDDER	RUDFLR
0.000	0.000	10.000
0.000	0.000	40.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 1.20

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(C76305) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

(C76323) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

BETA	RUDDER	RUDFLR
0.000	0.000	10.000
0.000	0.000	40.000

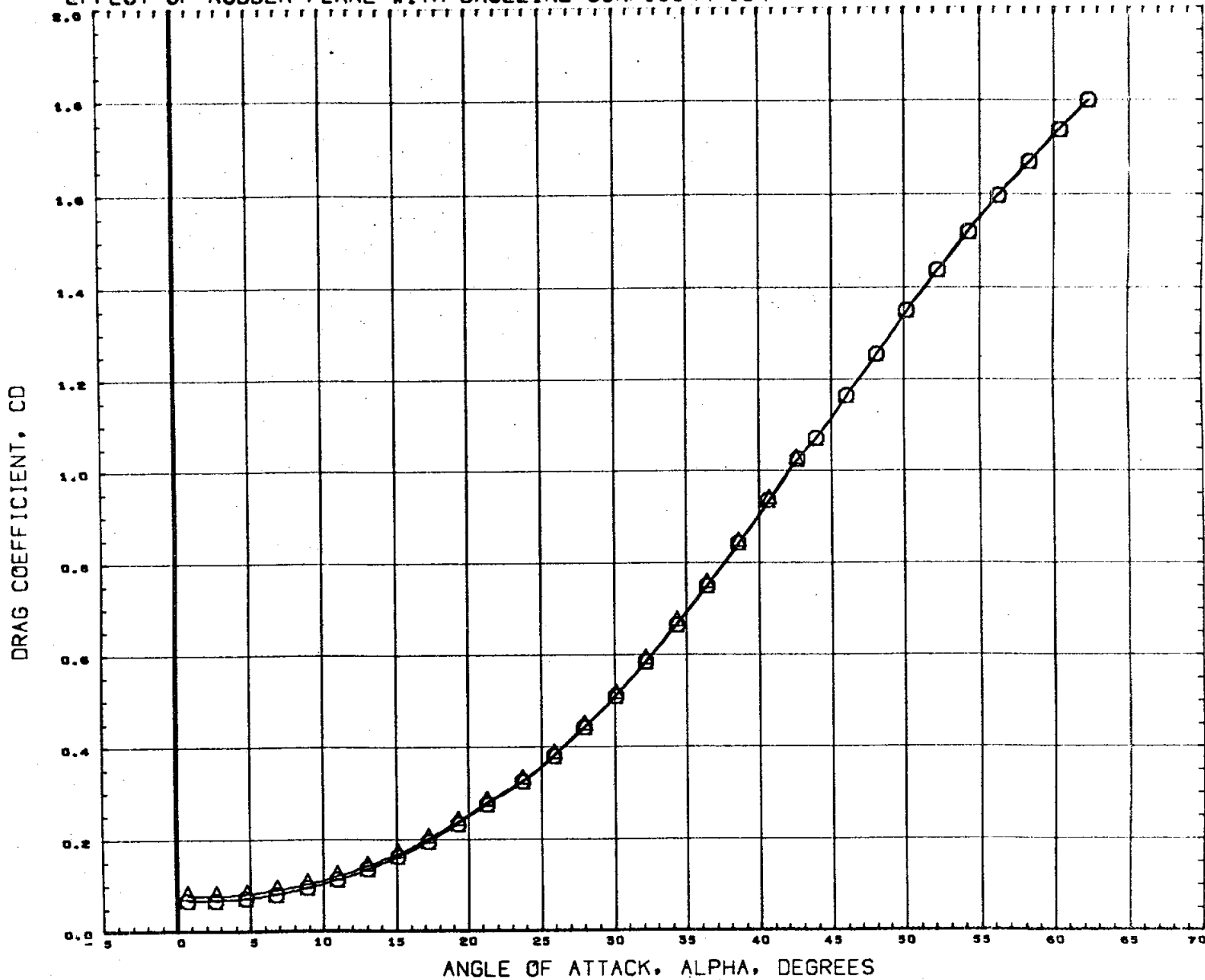
REFERENCE INFORMATION

SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRF	3.4530	IN.
YMRF	0.0000	IN.
ZMRF	0.0000	IN.
SCALE	0.0040	

MACH 1.97

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION

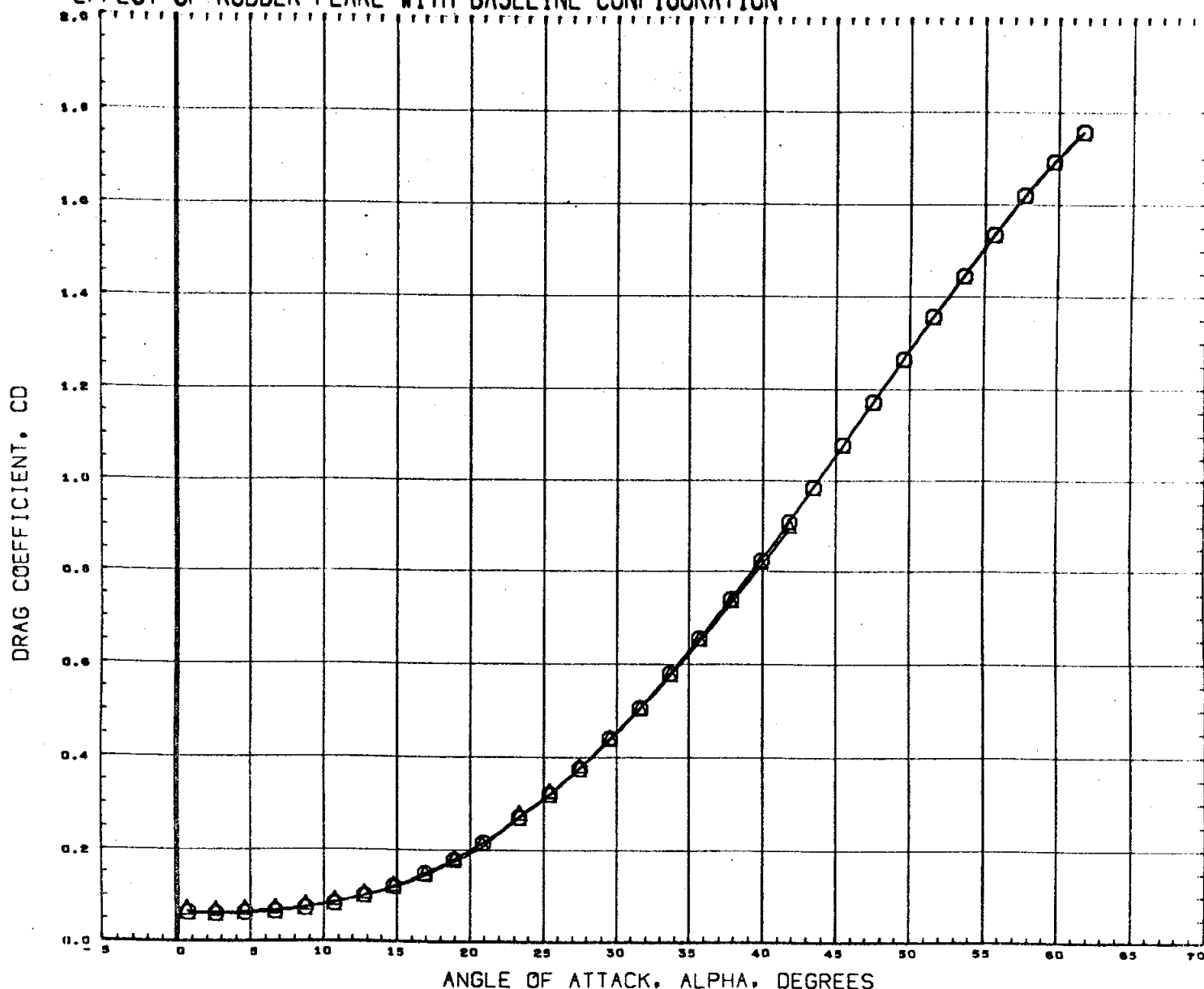


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUDFLR	REFERENCE INFORMATION	
(C76305)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76323)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	40.000	LREF	2.1020 IN.
					BREF	4.0300 IN.
					XMRP	3.4530 IN.
					YMRP	0.0000 IN.
					ZMRP	0.0000 IN.
					SCALE	0.0040

MACH 2.99

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(C76308) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

(C76523) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

BETA	RUDDER	RUDFLR
0.000	0.000	10.000
0.000	0.000	40.000

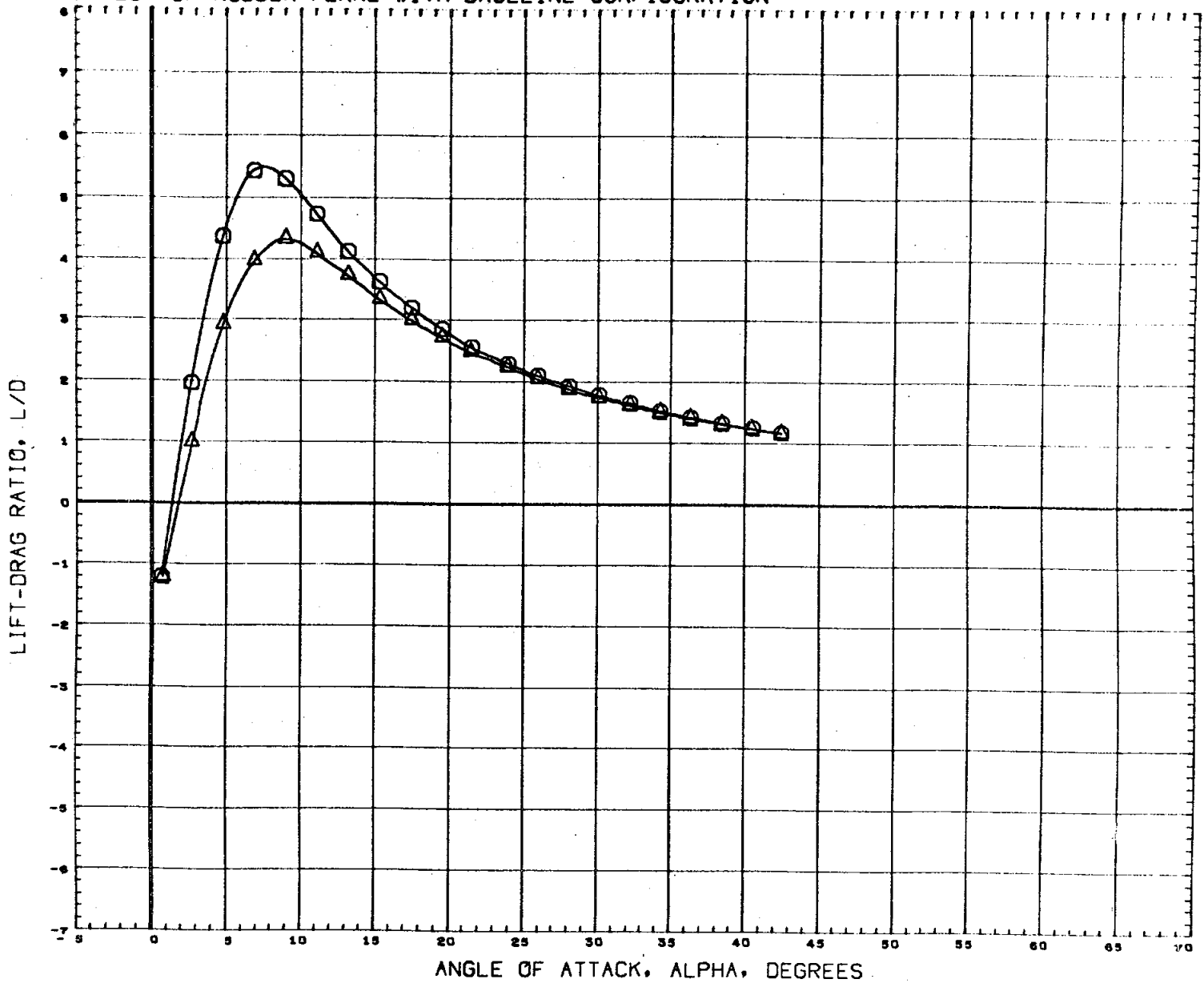
REFERENCE INFORMATION

SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 4.96

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION



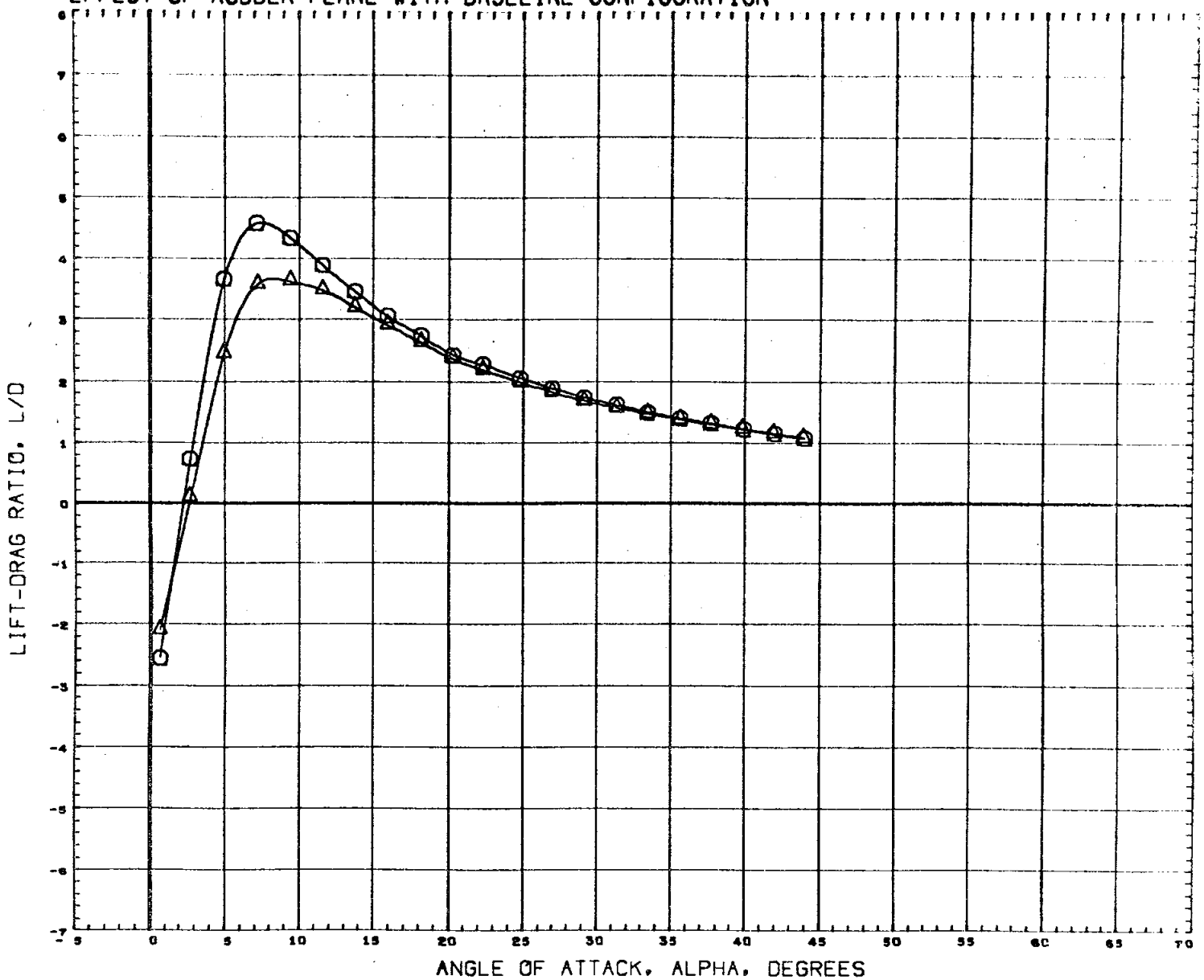
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUDFLR
(C76305)	M555 (FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000
(C76523)	M555 (FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	40.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH .59

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION



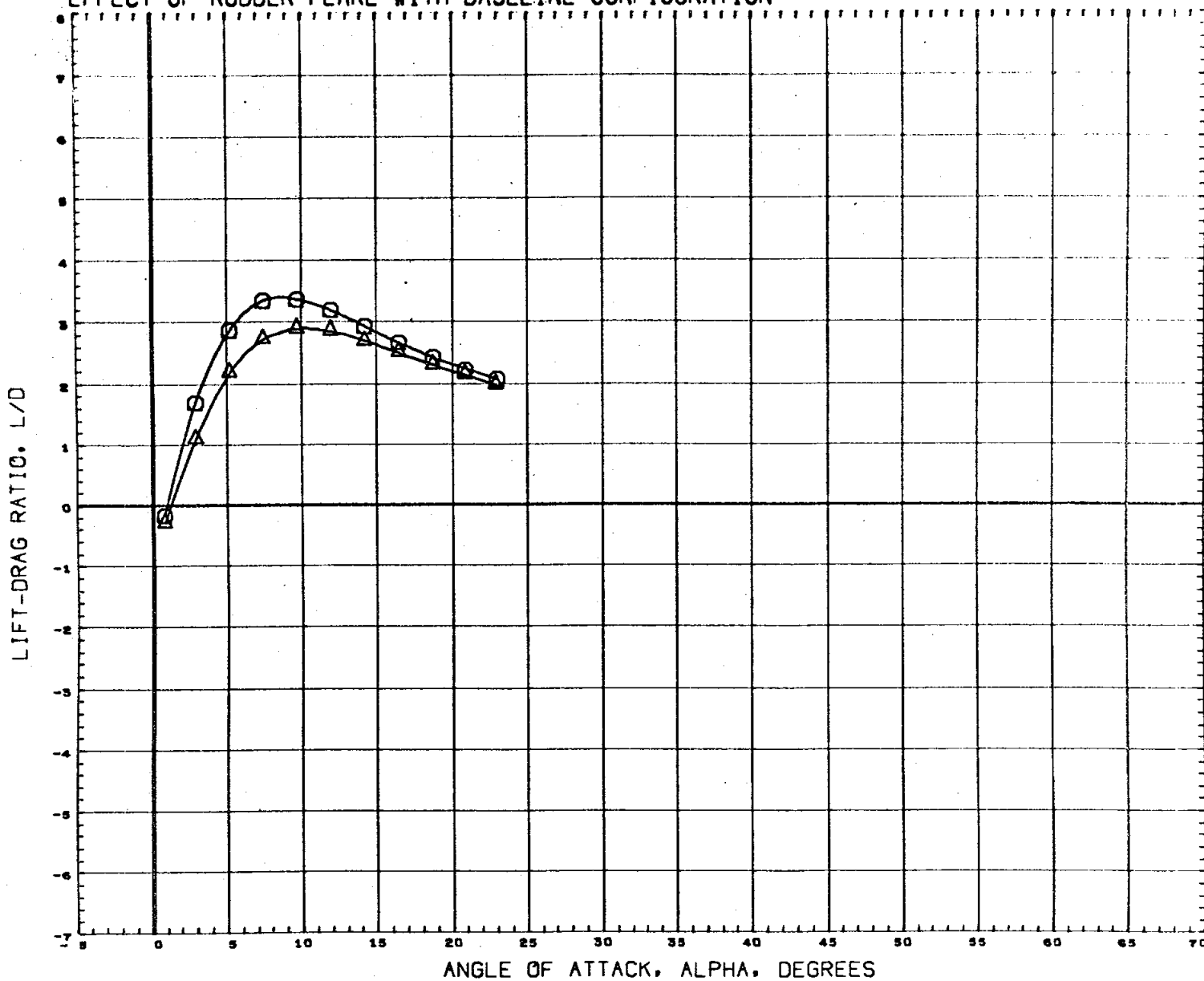
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUDDLR
(C76303)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000
(C76323)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	40.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH .90

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION



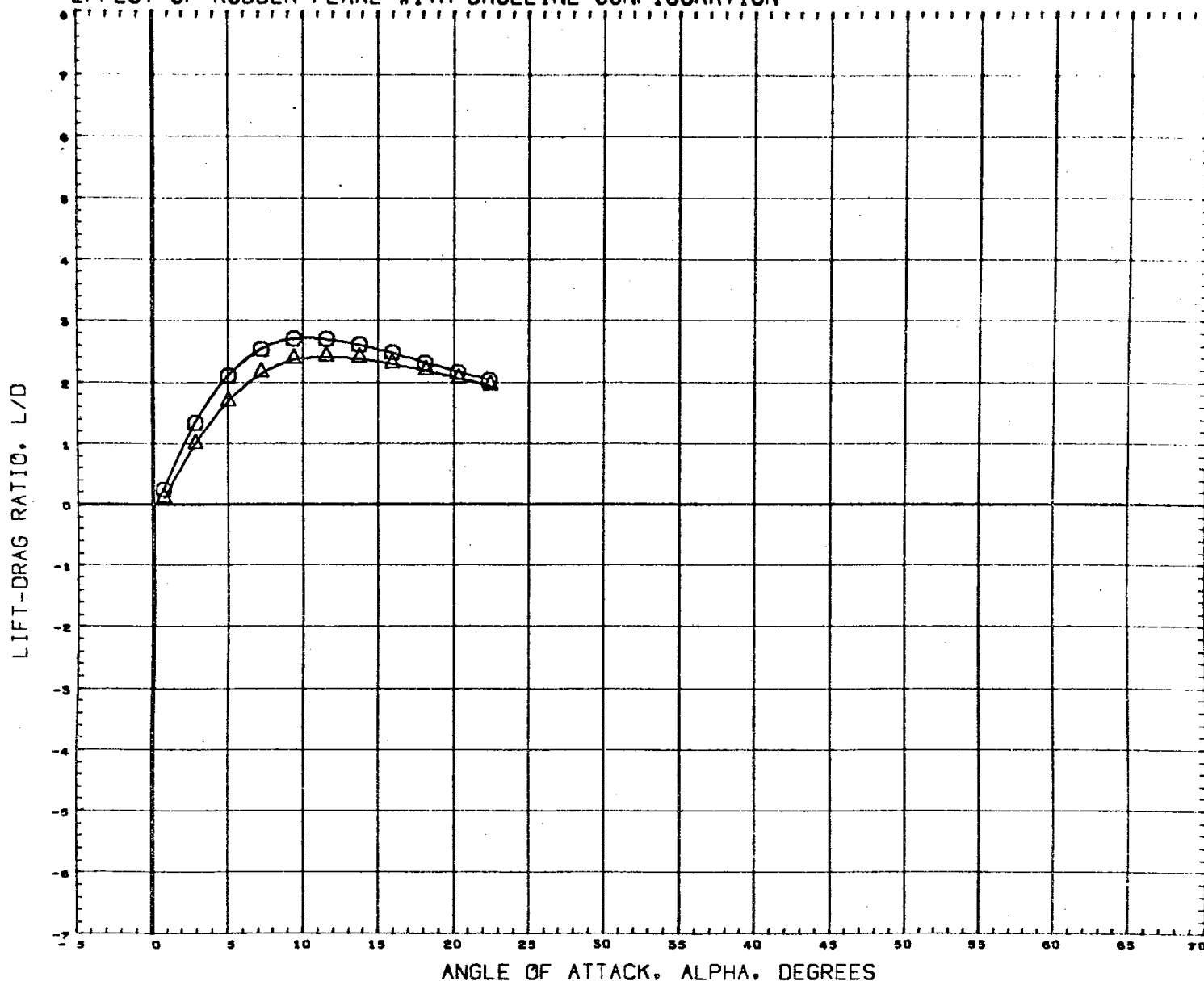
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUDFLR
1 C76305	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000
1 C76323	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	40.000

REFERENCE INFORMATION		
SREF	7.4190	Sq. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
YMRP	3.4530	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	IN.

MACH 1.20

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(C76308)  M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

(C76323)  M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

BETA

RUDDER

RUDFLR

0.000 0.000 10.000

0.000 0.000 40.000

REFERENCE INFORMATION

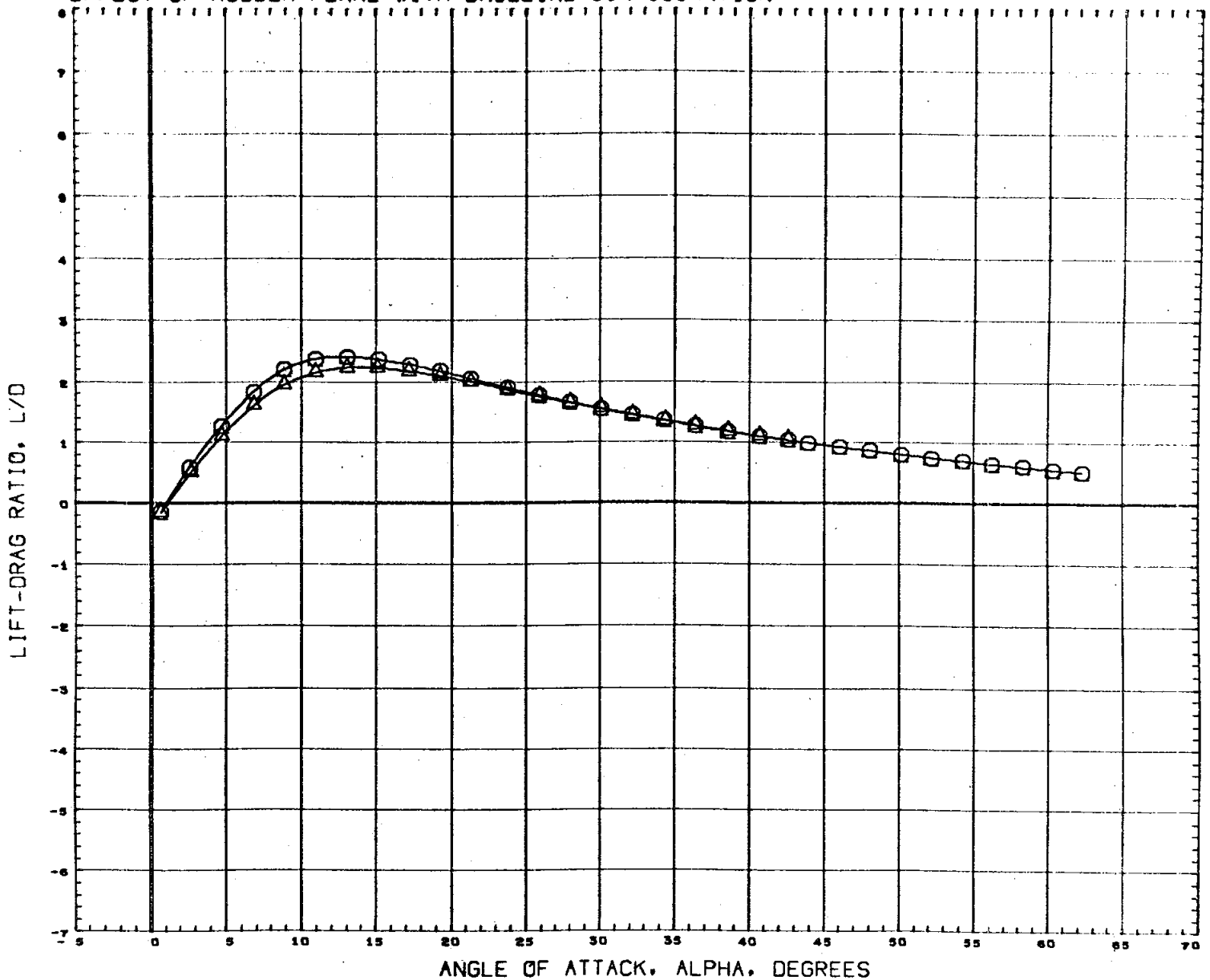
SREF 7.4190 SQ. IN.
LREF 2.1020 IN.
BREF 4.0300 IN.
XMRP 3.4530 IN.
YMRP 0.0000 IN.
ZMRP 0.0000 IN.
SCALE 0.0040

MACH

1.97

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(C76305) M555 (FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

(C76323) M555 (FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

BETA

0.000

RUDDER

0.000

RUDFLR

10.000

REFERENCE INFORMATION

SREF 7.4190 SQ. IN.

LREF 2.1020 IN.

BREF 4.0300 IN.

XMRP 3.4530 IN.

YMRP 0.0000 IN.

ZMRP 0.0000 IN.

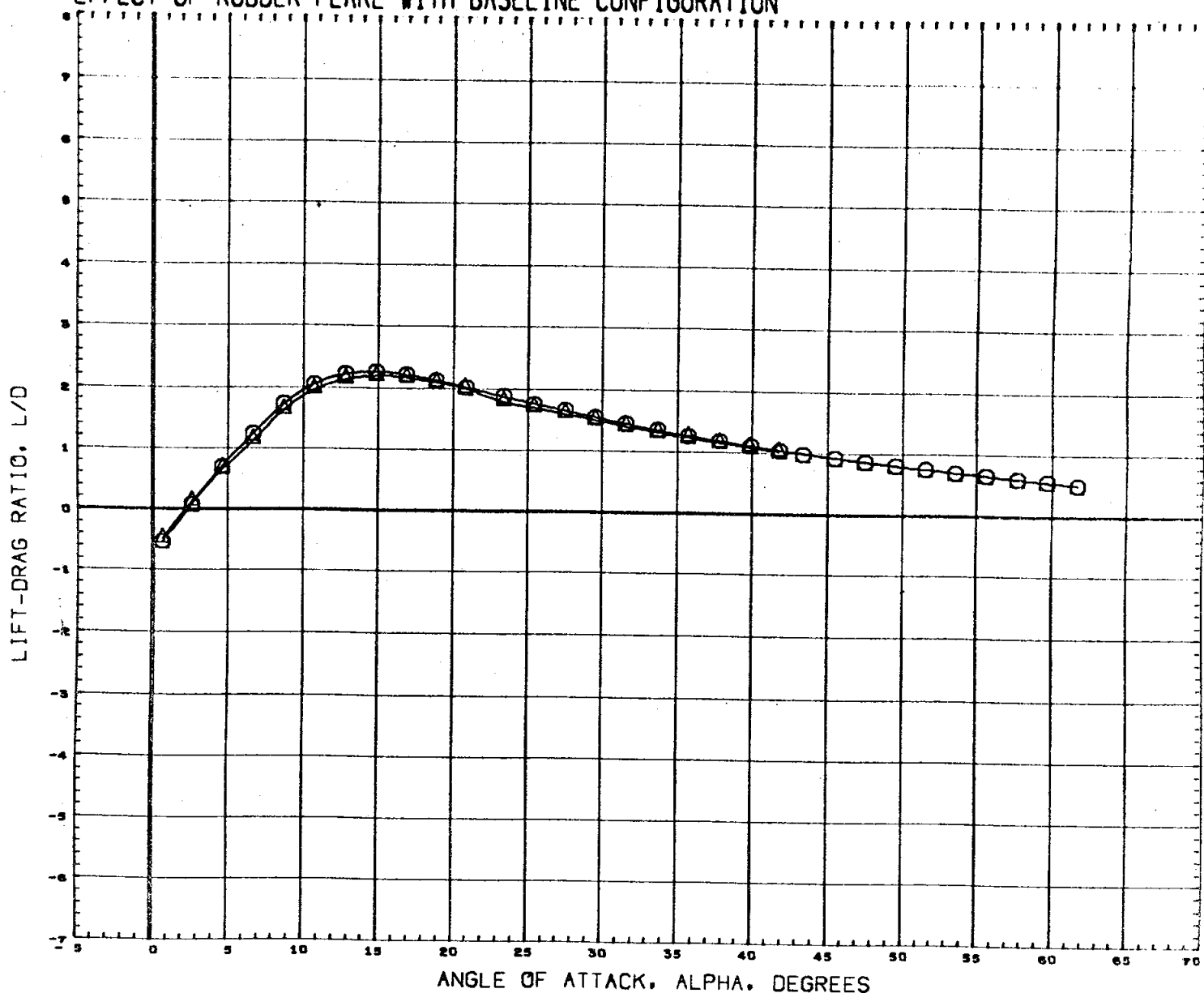
SCALE 0.0040

MACH

2.99

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(C76305) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
 (C76523) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

BETA	RUDDER	RUDFLR
0.000	0.000	10.000
0.000	0.000	40.000

REFERENCE INFORMATION

SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4330	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

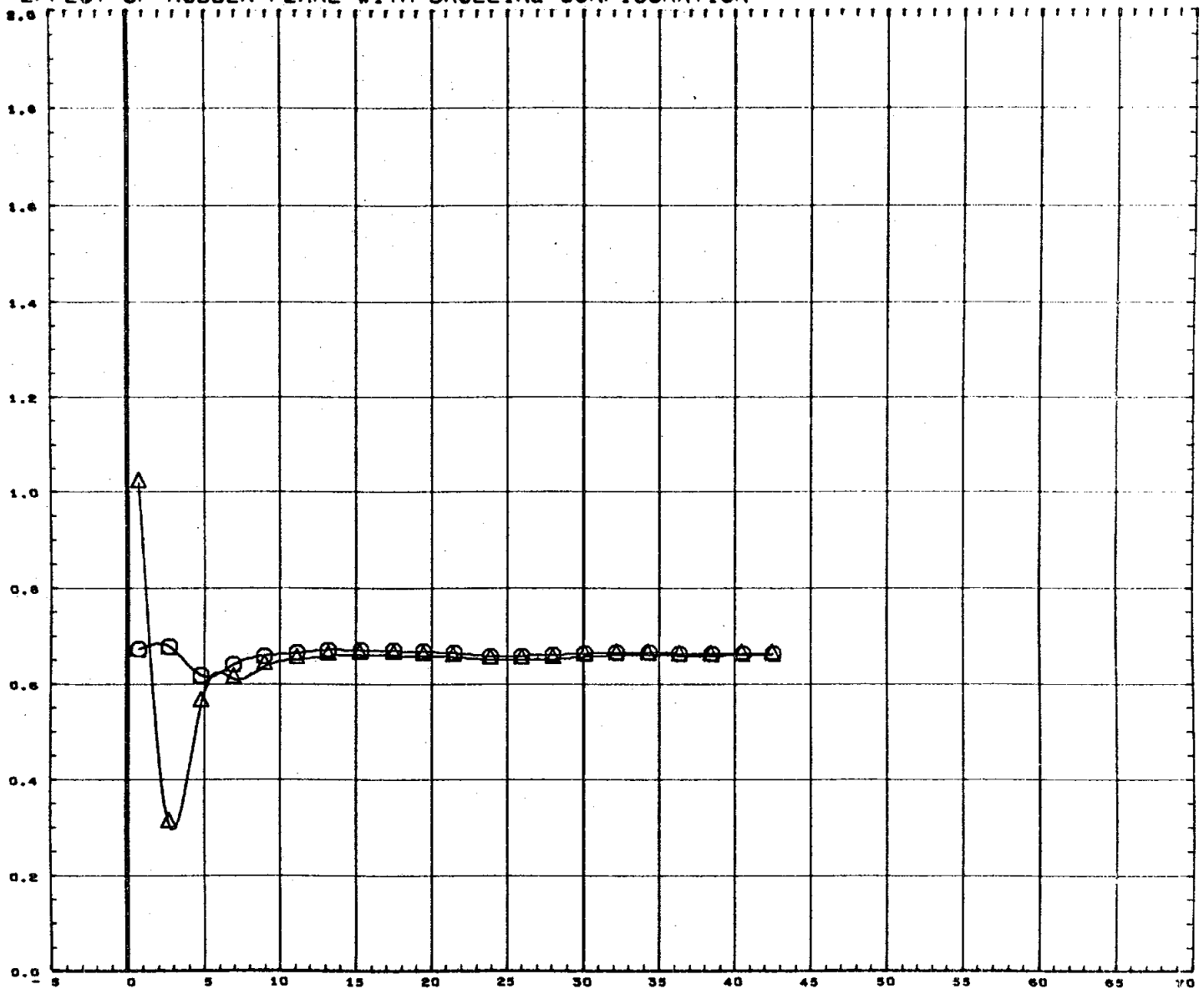
MACH

4.96

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION

CENTER OF PRESSURE LOCATION BASED ON BODY LENGTH, XCP/L



ANGLE OF ATTACK, ALPHA, DEGREES

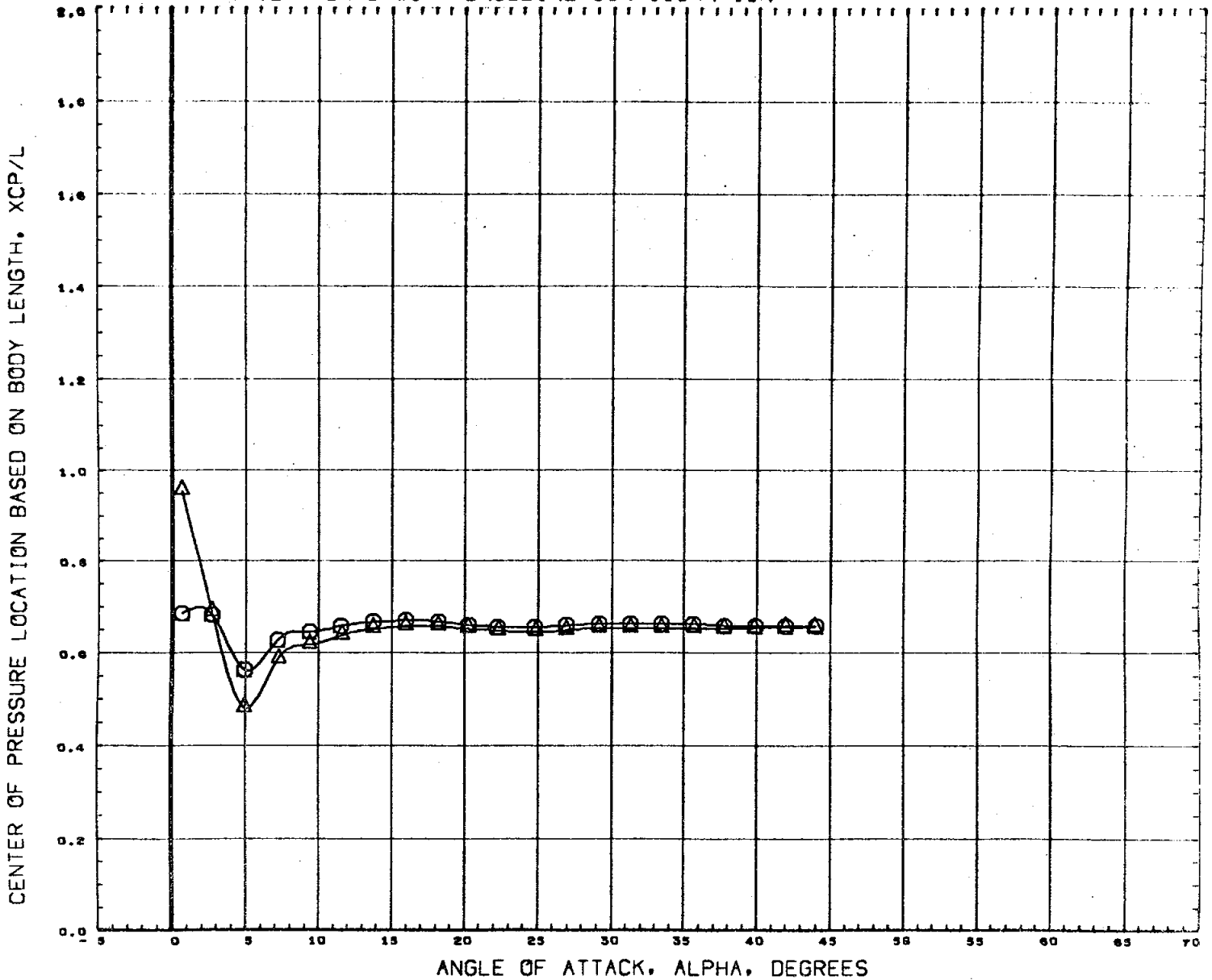
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUDFLR
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000
(C76523)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	40.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH .59

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION

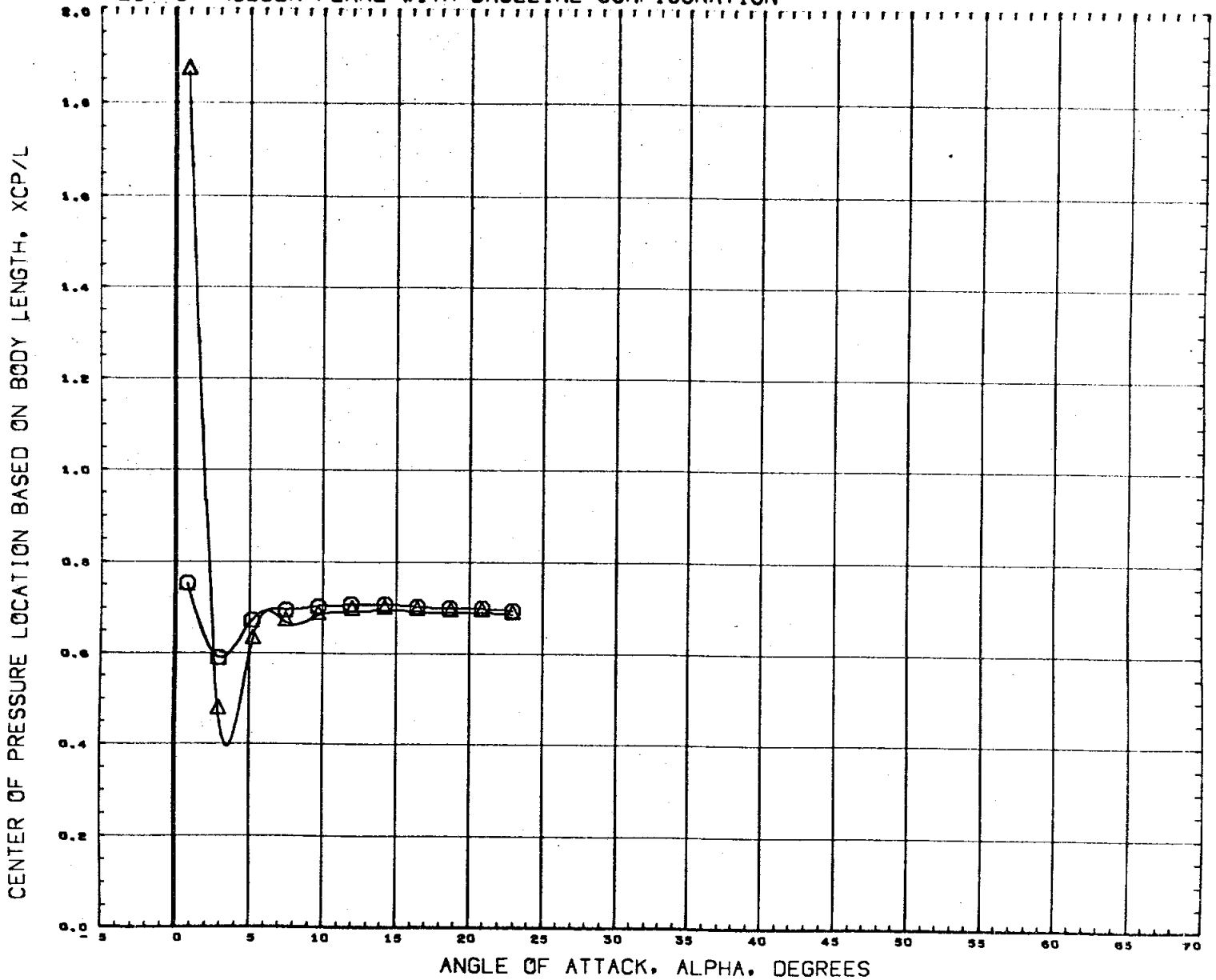


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUDFLR	REFERENCE INFORMATION	
(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C7652S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	40.000	LREF	2.1020 IN.
					BREF	4.0300 IN.
					XMRP	3.4530 IN.
					YMRP	0.0000 IN.
					ZMRP	0.0000 IN.
					SCALE	0.0040

MACH .90

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
(C76523)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

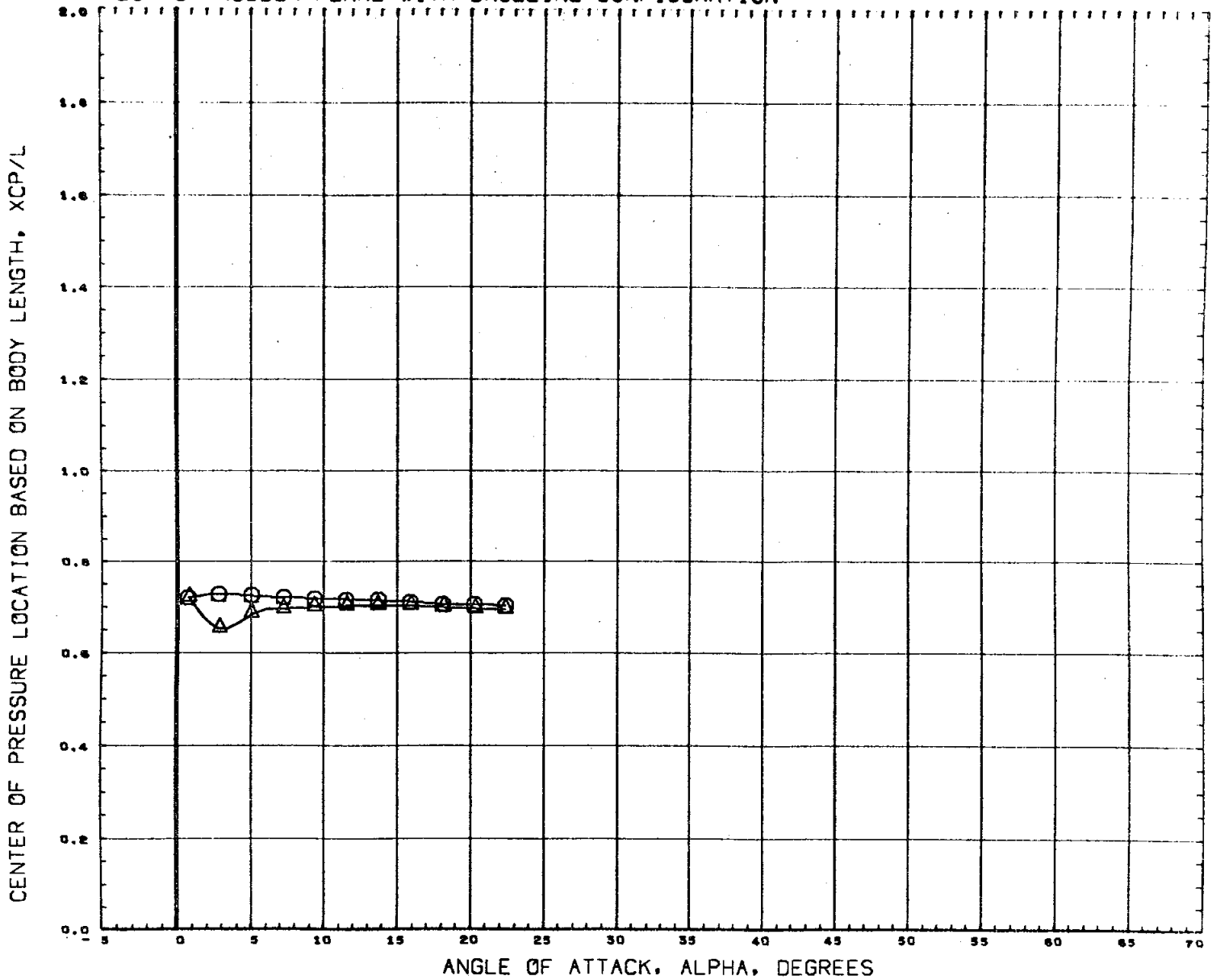
BETA	RUDDER	RUDFLR
0.000	0.000	10.000
0.000	0.000	40.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 1.20

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION

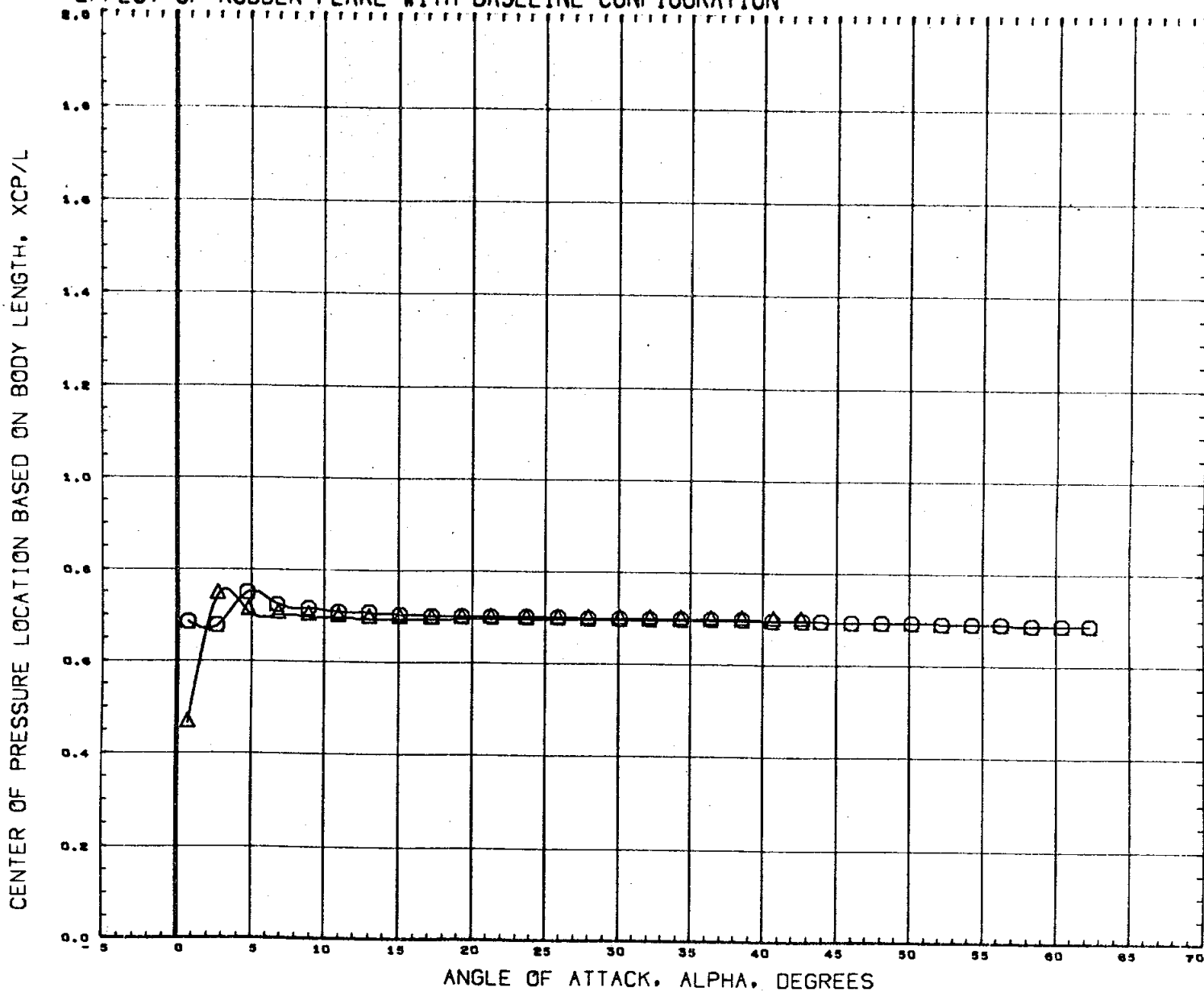


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUDFLR	REFERENCE INFORMATION	
(C76305)	M355 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76323)	M355 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	40.000	LREF	2.1020 IN.
					BREF	4.0300 IN.
					XMRP	3.4530 IN.
					YMRP	0.0000 IN.
					ZMRP	0.0000 IN.
					SCALE	0.0040

MACH 1.97

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION



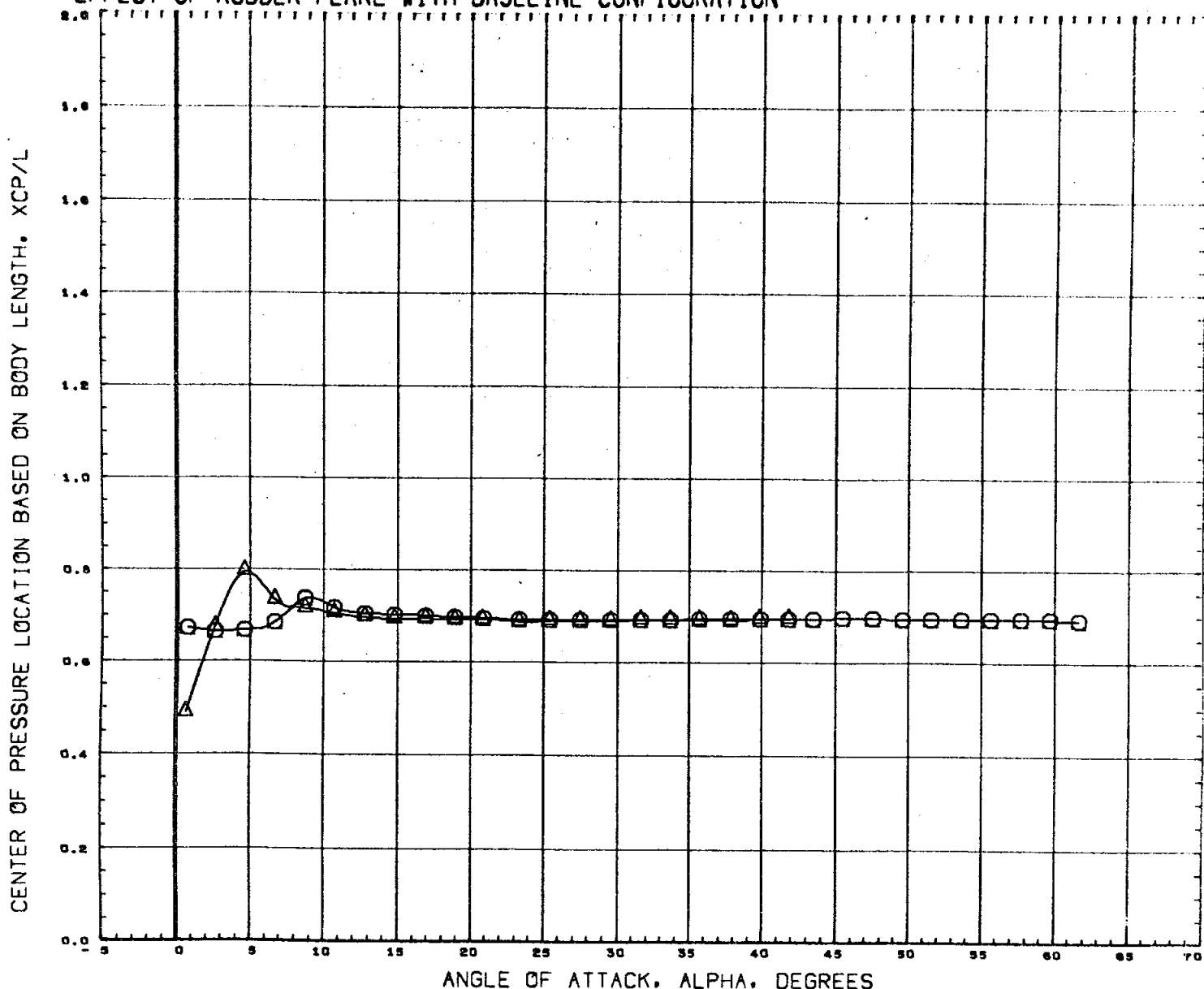
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUDFLR
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000
(C76323)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	40.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0500	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	


MACH 2.99

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(C7630S)  M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

(C7632S)  M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

BETA	RUDDER	RUDFLR
0.000	0.000	10.000
0.000	0.000	40.000

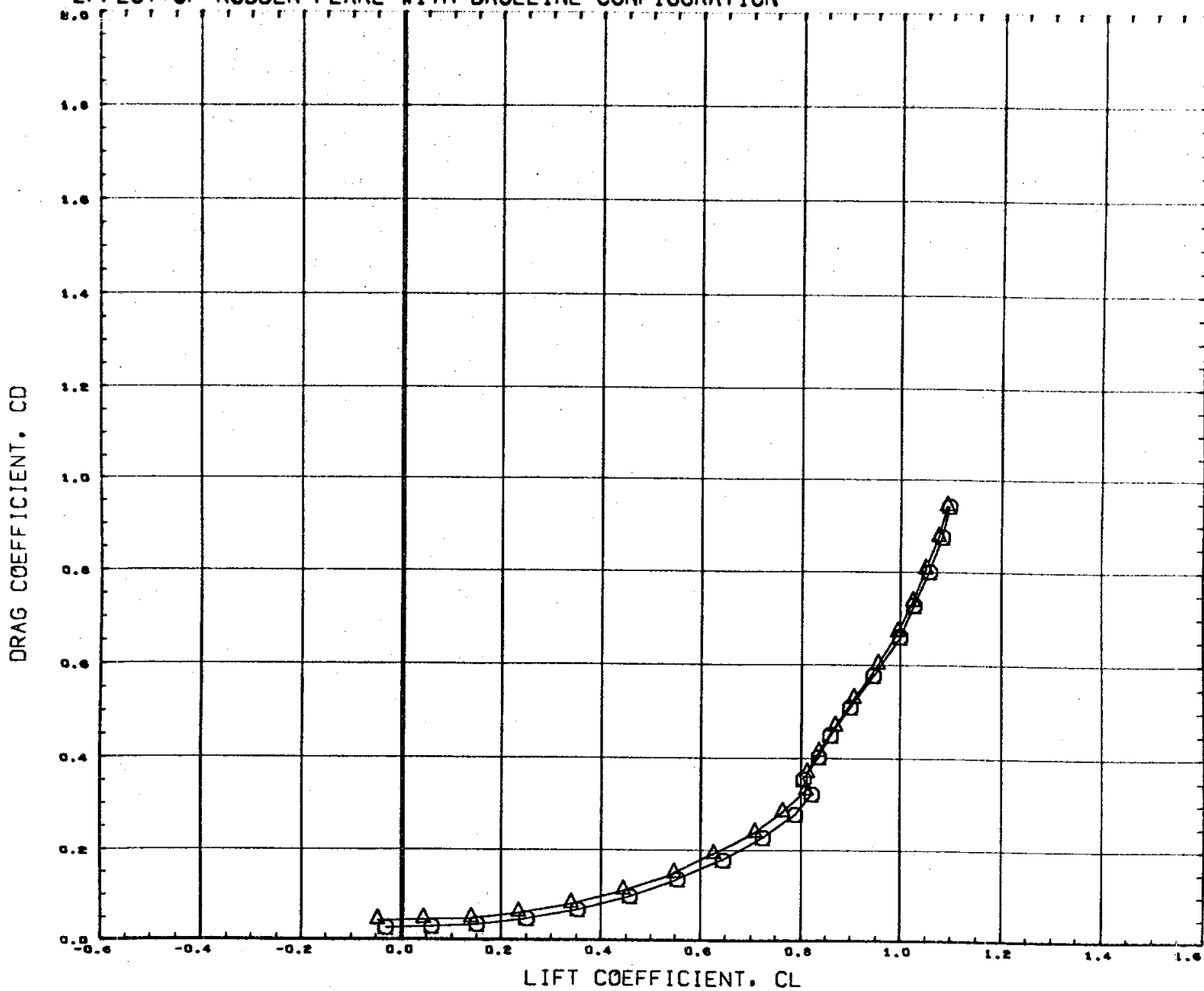
REFERENCE INFORMATION

SREF	7.4190	53. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 4.96

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION



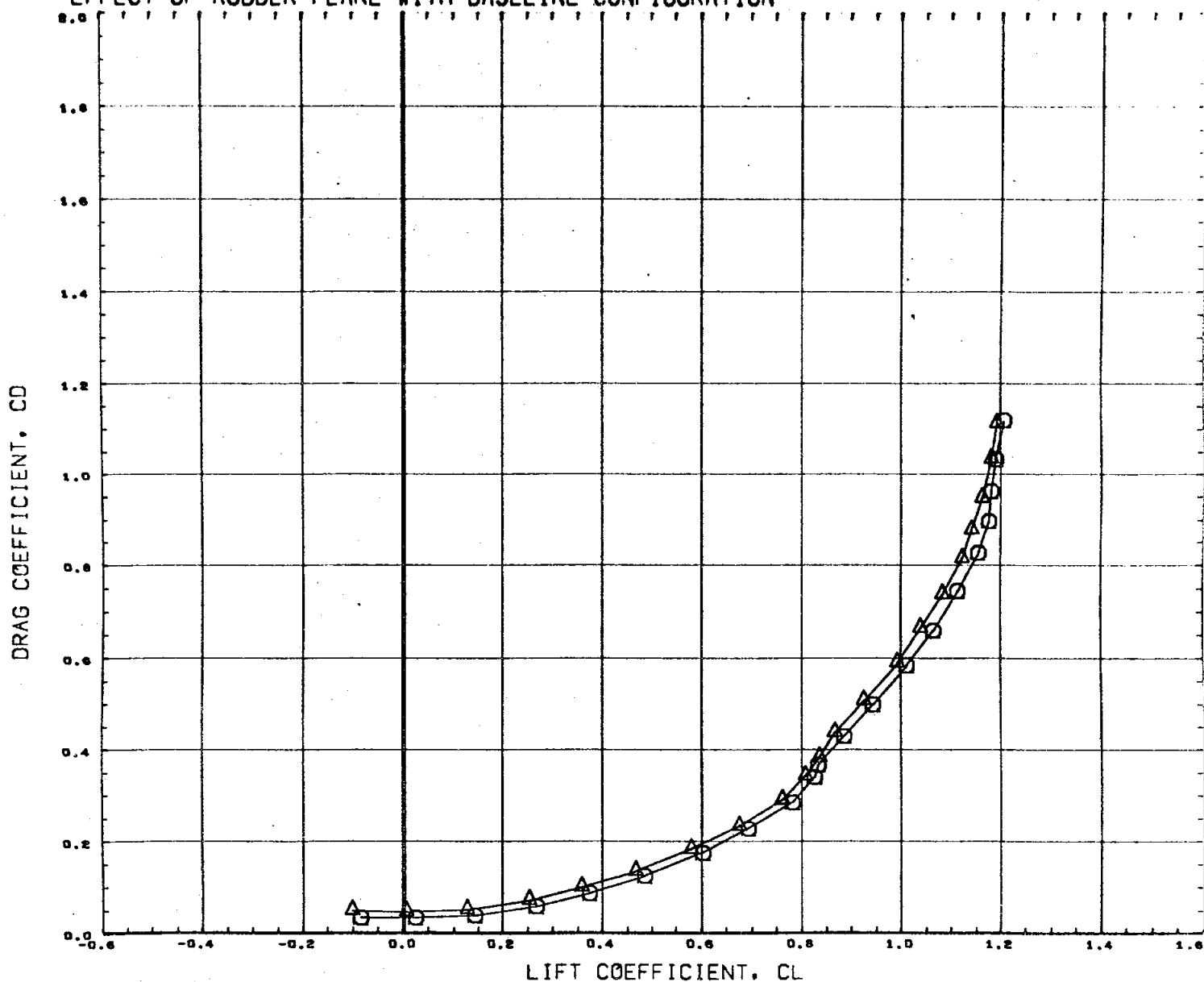
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUDFLR
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000
(C76523)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	40.000

REFERENCE INFORMATION		
SREF	7.4190	Sq. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH .59

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION

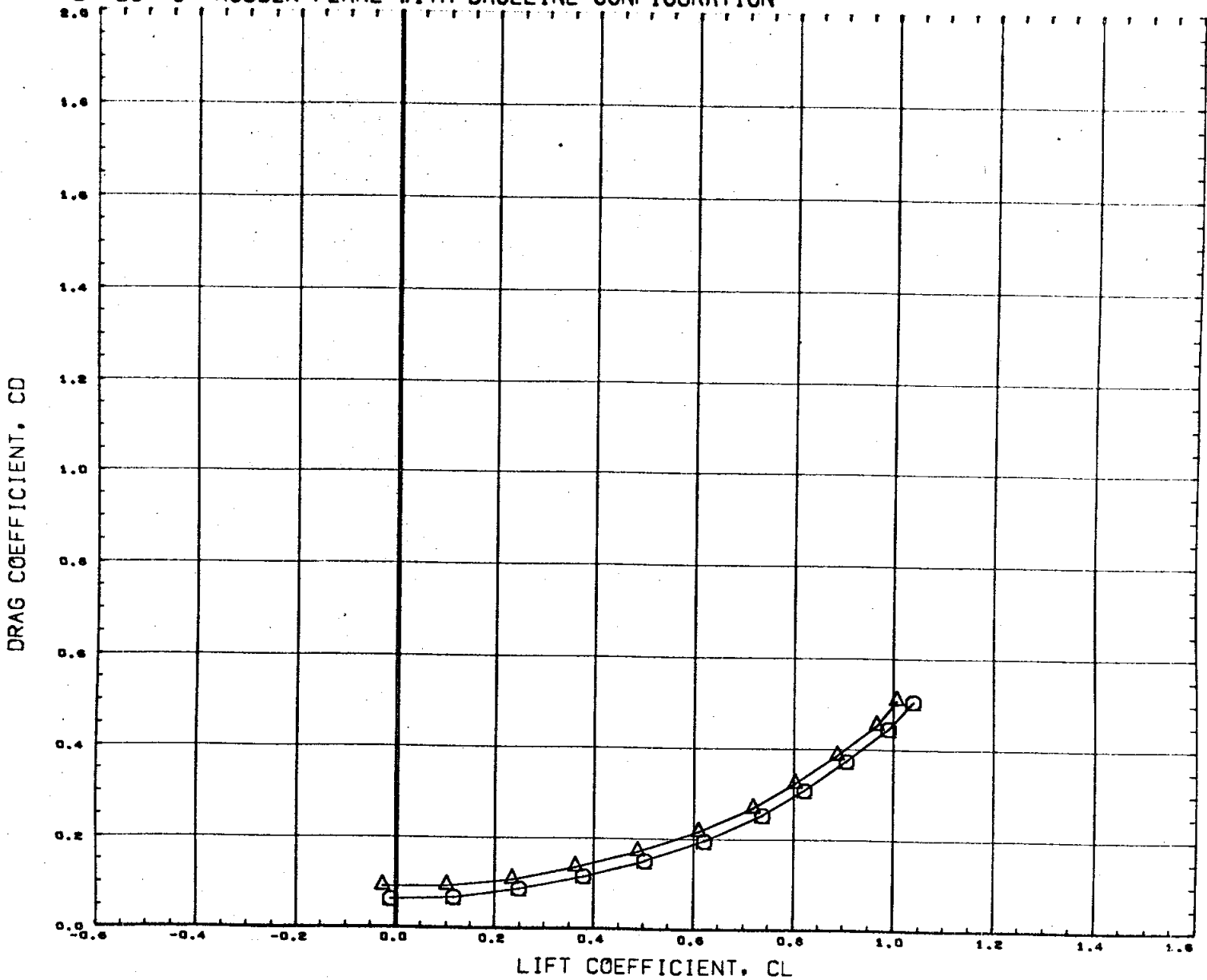


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUDFLR	REFERENCE INFORMATION	
(C7630S)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	SREF	7.4190 sq. in.
(C76323)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	40.000	LREF	2.1020 in.
					BREF	4.0300 in.
					XMRF	3.4530 in.
					YMRF	0.0000 in.
					ZMRF	0.0000 in.
					SCALE	0.0040

MACH .90

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(C76305) M555 (FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

(C76523) M555 (FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

BETA	RUDDER	RUDFLR
0.000	0.000	10.000
0.000	0.000	40.000

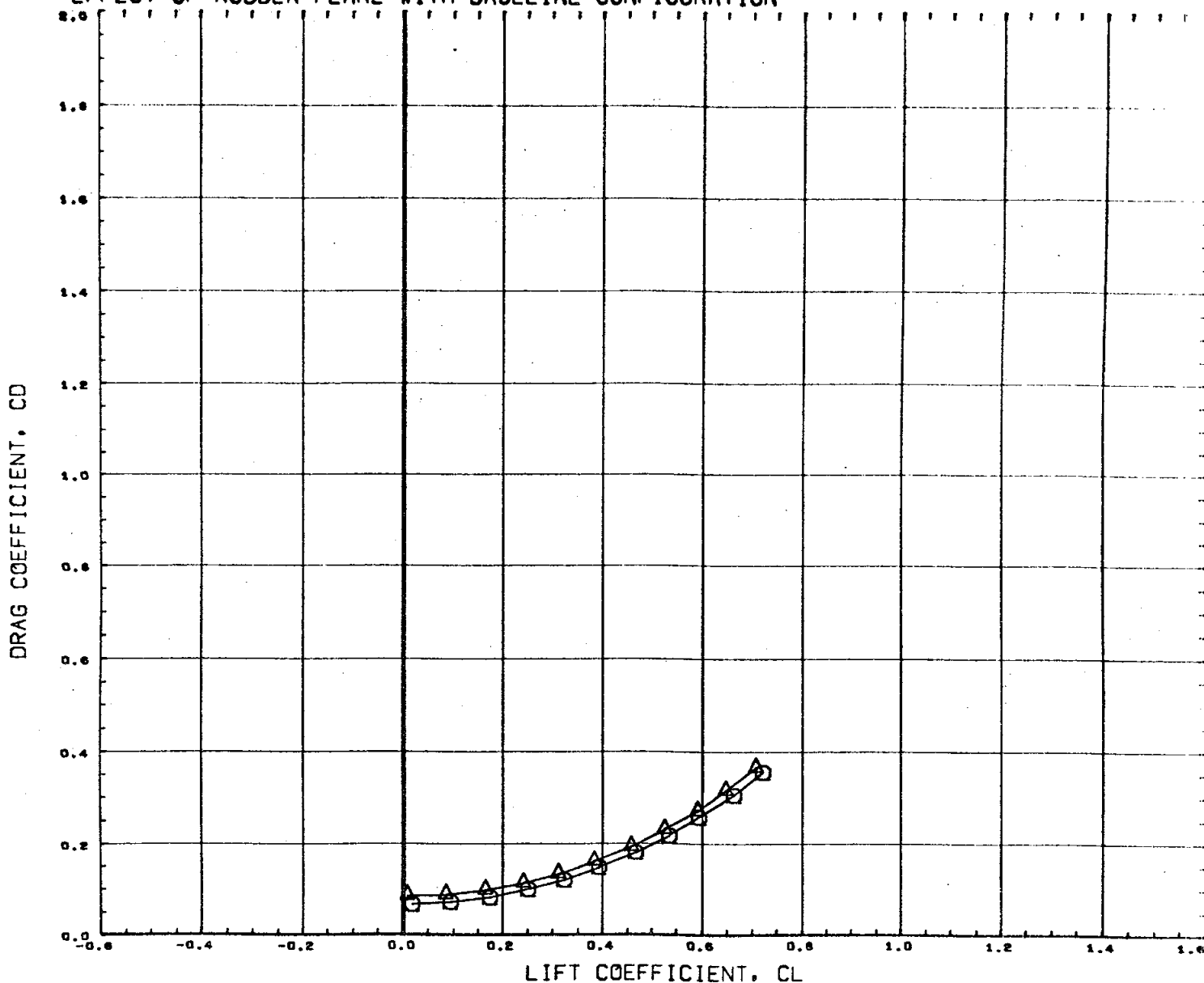
REFERENCE INFORMATION

SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRF	3.4530	IN.
YMRF	0.0000	IN.
ZMRF	0.0000	IN.
SCALE	0.0040	

MACH 1.20

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(C7630S) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

(C7632S) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

BETA	RUDDER	RUDFLR
0.000	0.000	10.000
0.000	0.000	40.000

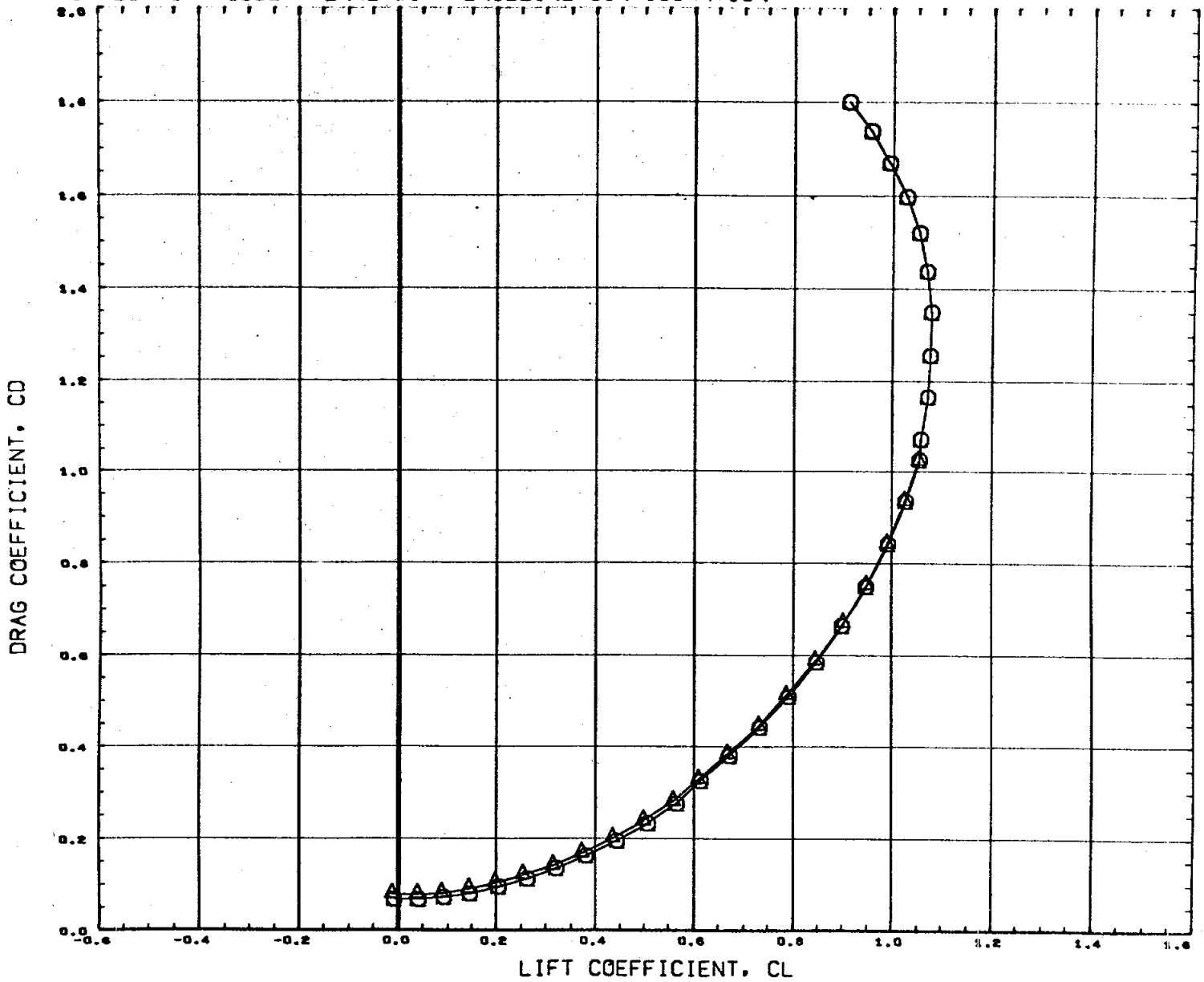
REFERENCE INFORMATION

SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRF	3.4330	IN.
YMRF	0.0000	IN.
ZMRF	0.0000	IN.
SCALE	0.0040	

MACH 1.97

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION



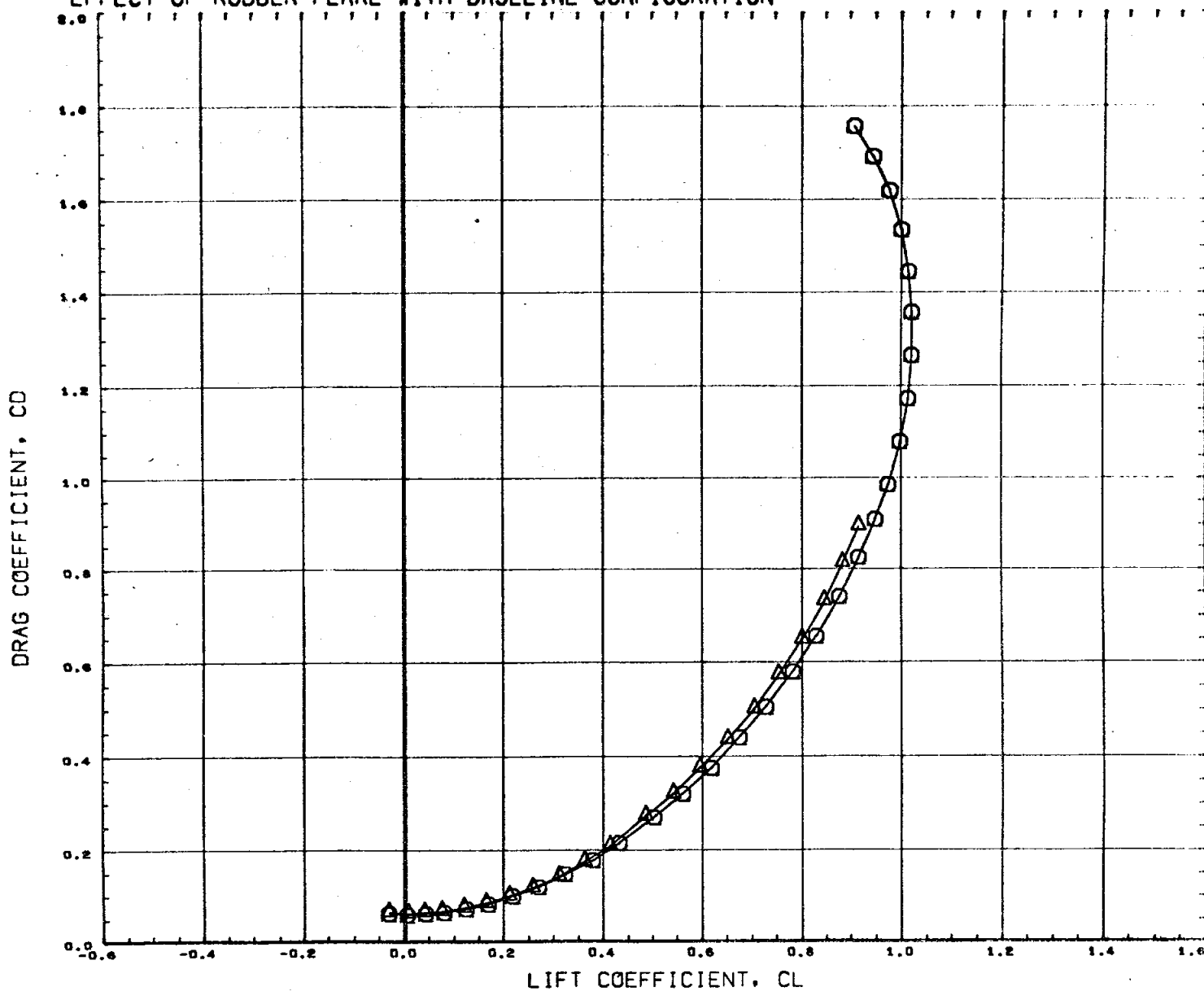
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUDFLR
(C76305)	M555(FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000
(C76523)	M555(FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	40.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 2.99

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION



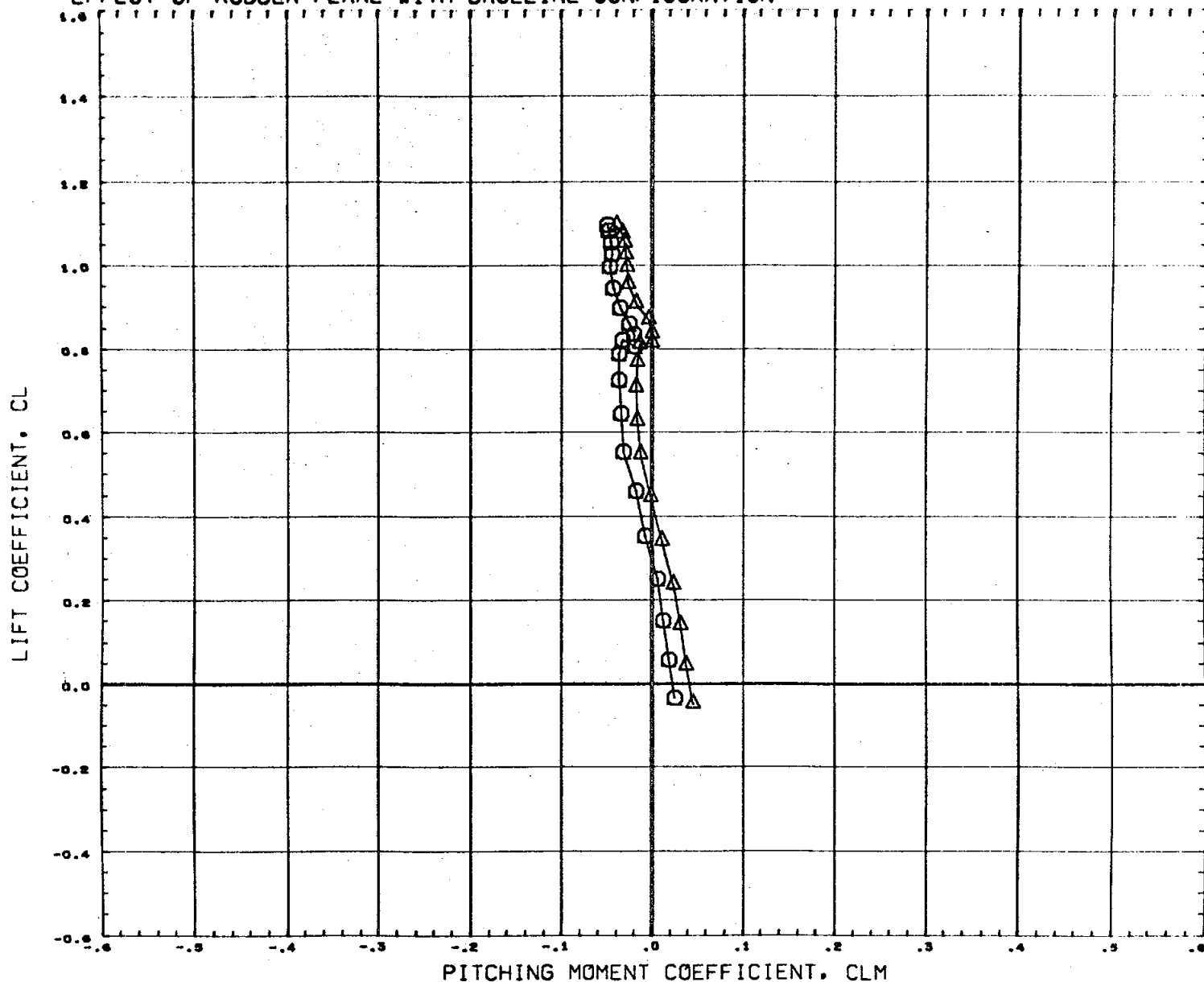
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUDDFLR
(C76303)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000
(C76323)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	40.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 4.96

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION



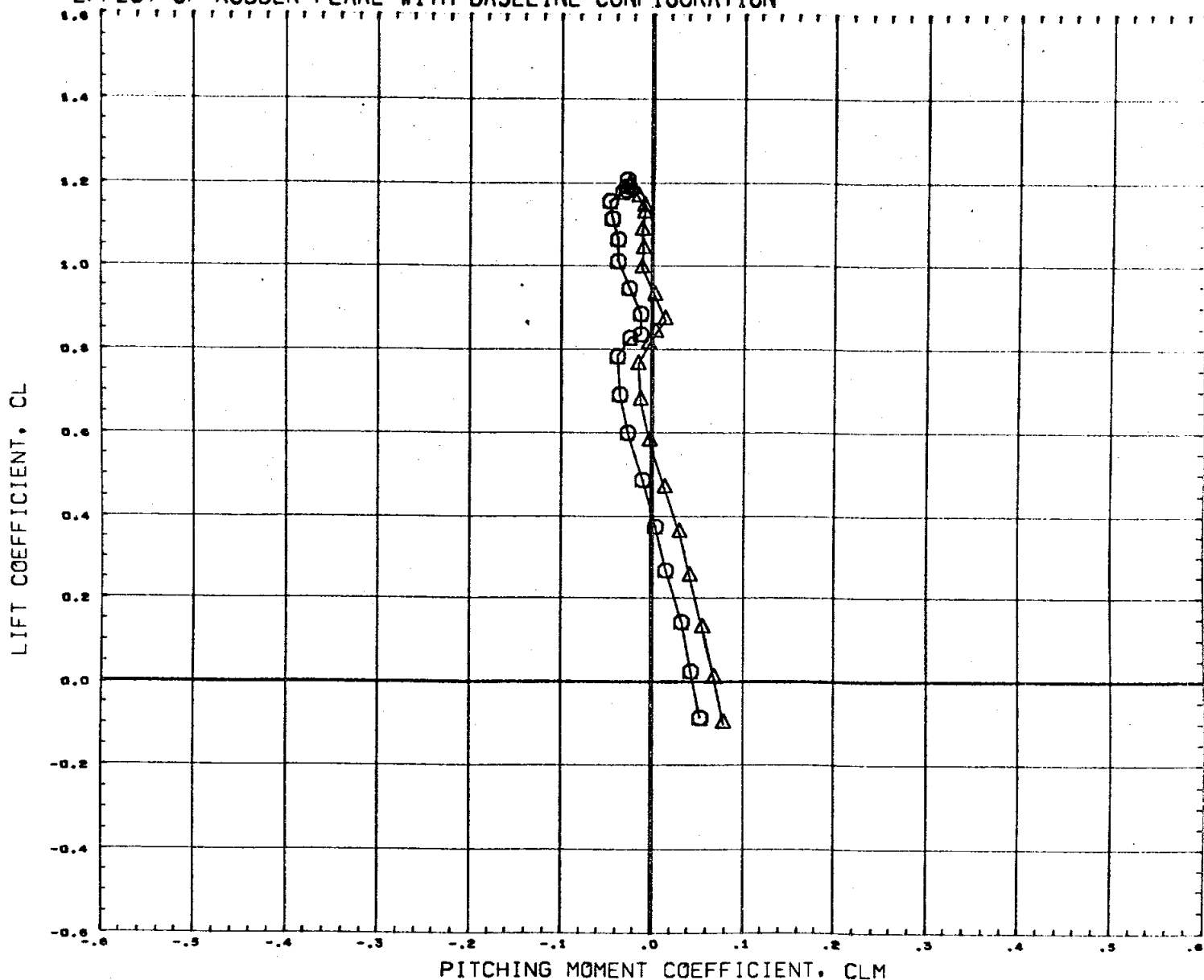
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUDFLR	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76323)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	40.000	LREF	2.1020 IN.
					BREF	4.0300 IN.
					XMRP	3.4530 IN.
					YMRP	0.0000 IN.
					ZMRP	0.0000 IN.
					SCALE	0.0040

MACH

.59

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(C76305) M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

(C76523) M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

BETA

0.000

RUDDER

0.000

RUDFLR

10.000

REFERENCE INFORMATION

SREF 7.4190 SQ. IN.

LREF 2.1020 IN.

BREF 4.0300 IN.

XMRP 3.4530 IN.

YMRP 0.0000 IN.

ZMRP 0.0000 IN.

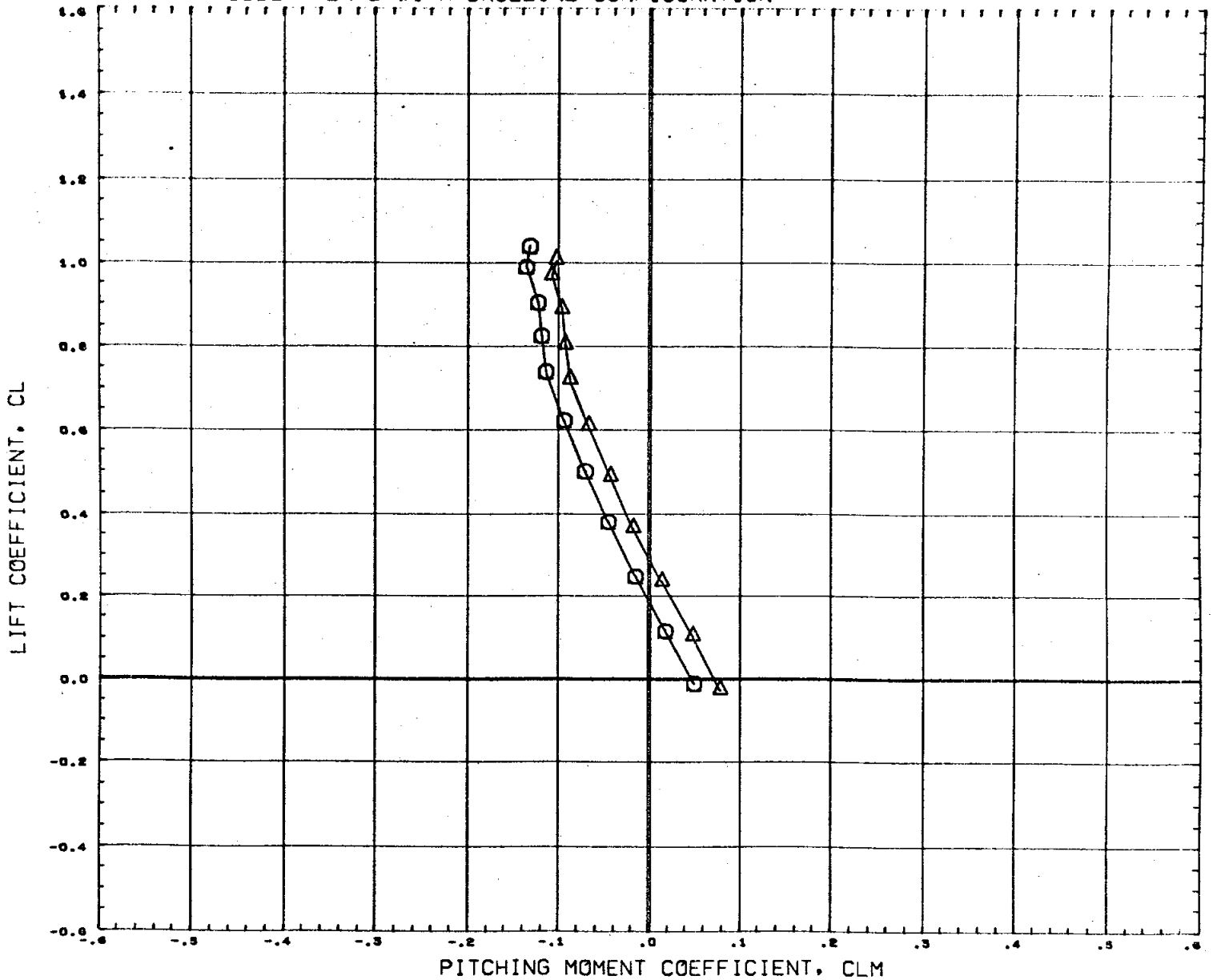
SCALE 0.0040

MACH

.90

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(C76505) \bigcirc M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

(C76523) \triangle M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

BETA

0.000

RUDDER

0.000

RUDFLR

10.000

REFERENCE INFORMATION

SREF 7.4190 SQ. IN.

LREF 2.1020 IN.

BREF 4.0300 IN.

XMRP 3.4530 IN.

YMRP 0.0000 IN.

ZMRP 0.0000 IN.

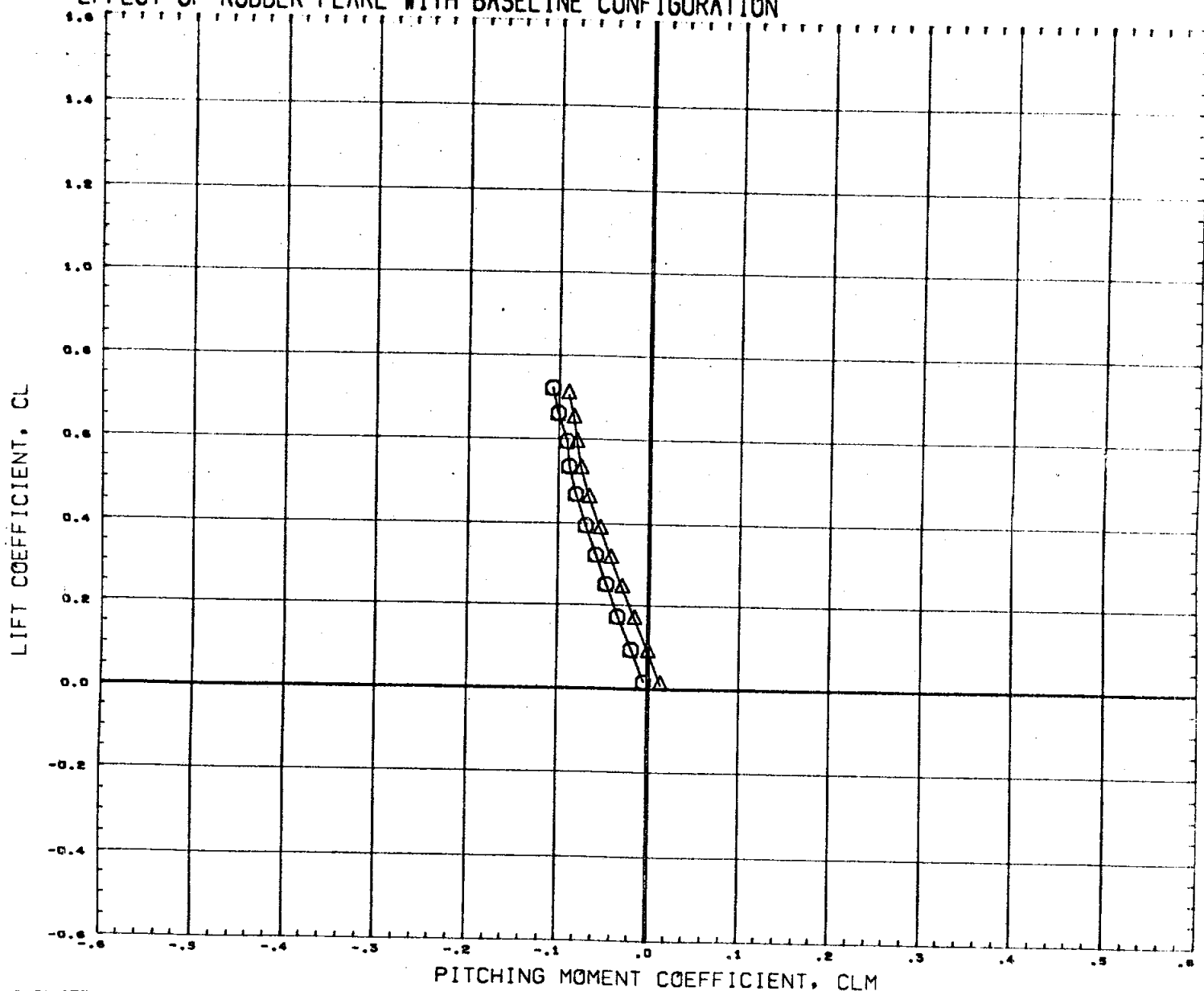
SCALE 0.0040

MACH

1.20

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(C7630S) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

(C7632S) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

BETA	RUDDER	RUDFLR
0.000	0.000	10.000
0.000	0.000	40.000

REFERENCE INFORMATION

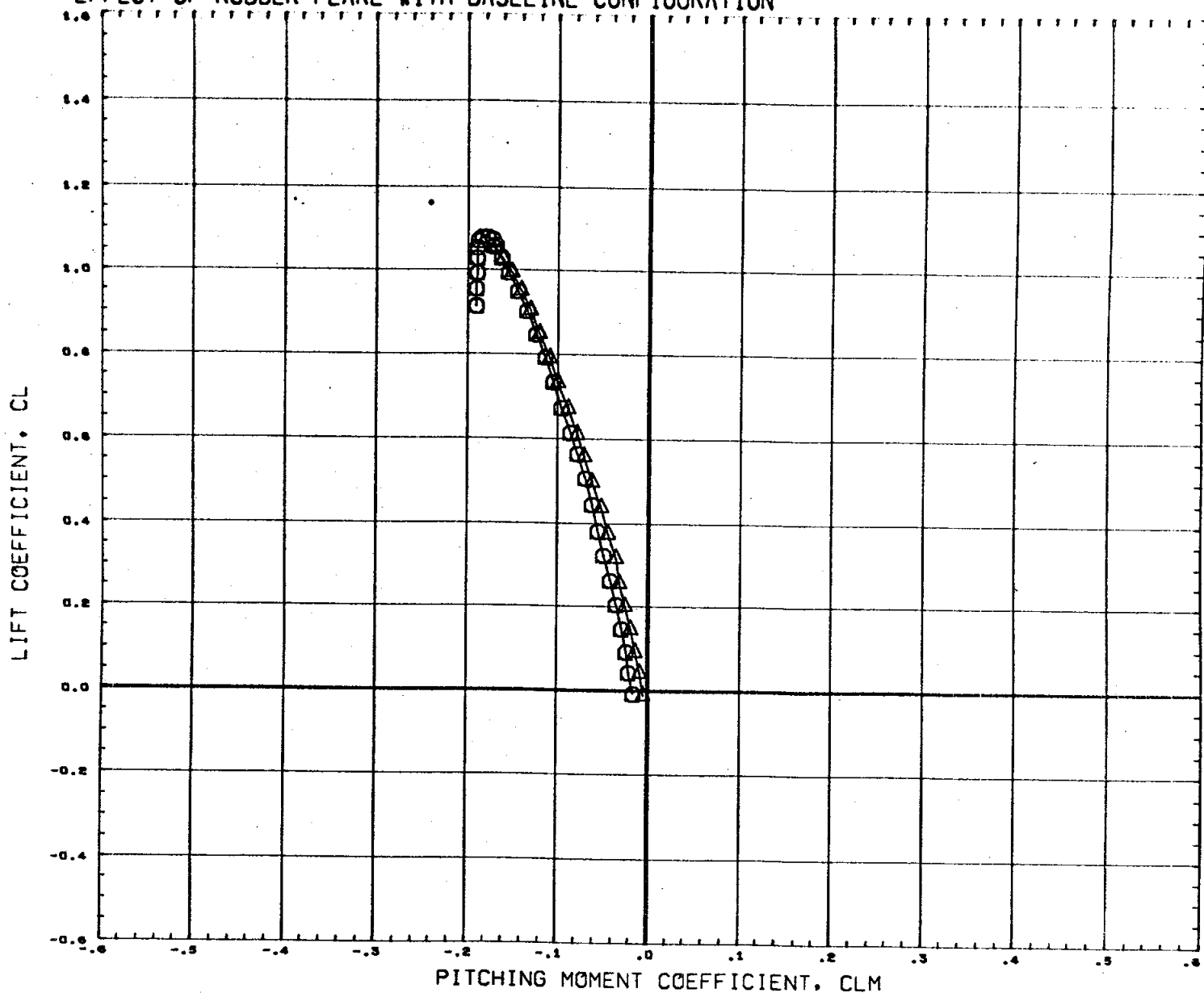
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH

1.97

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION

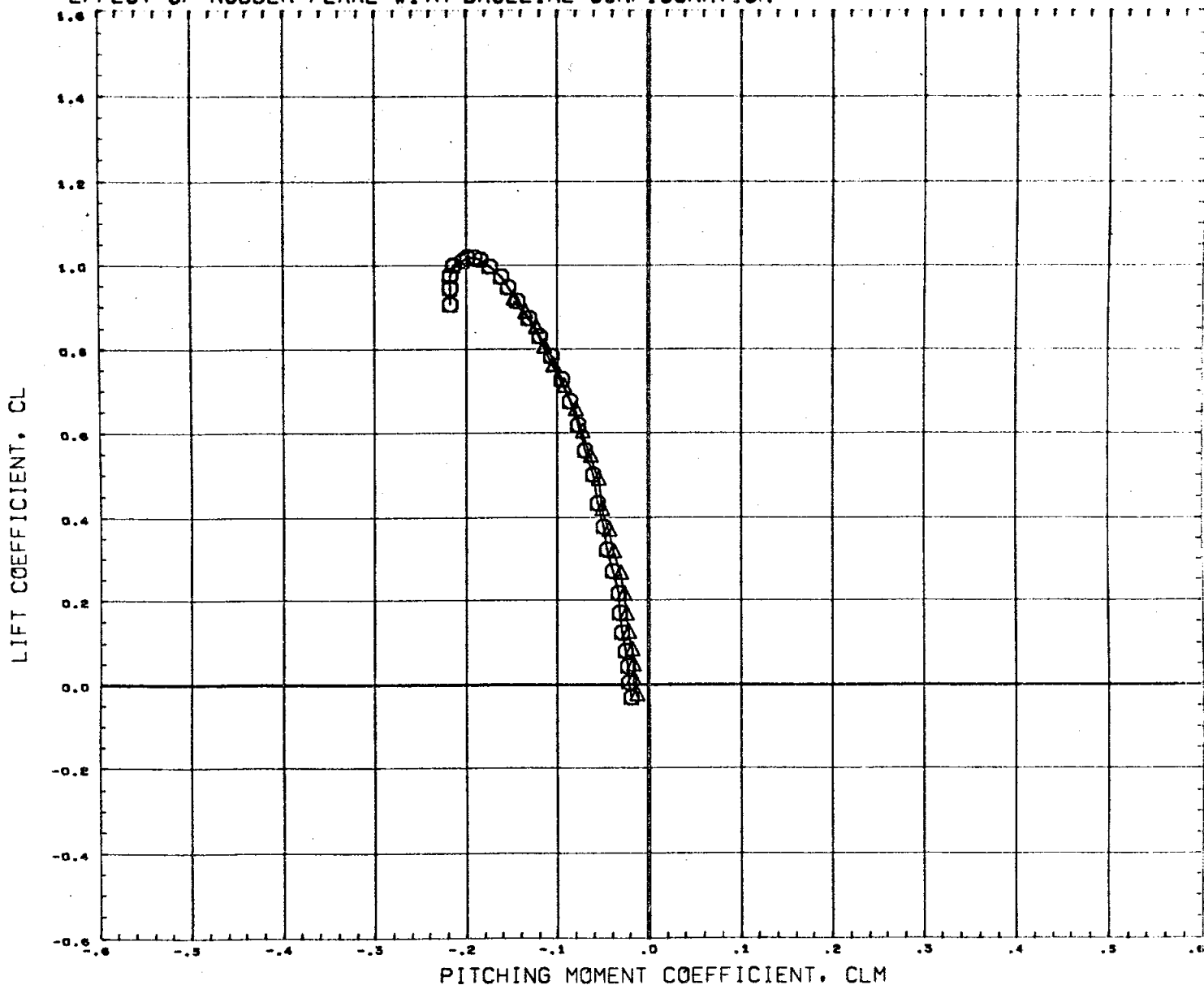


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUDFLR
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000
(C76523)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	40.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRF	3.4530	IN.
YMRF	0.0000	IN.
ZMRF	0.0000	IN.
SCALE	0.0040	

MACH 2.99

EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION

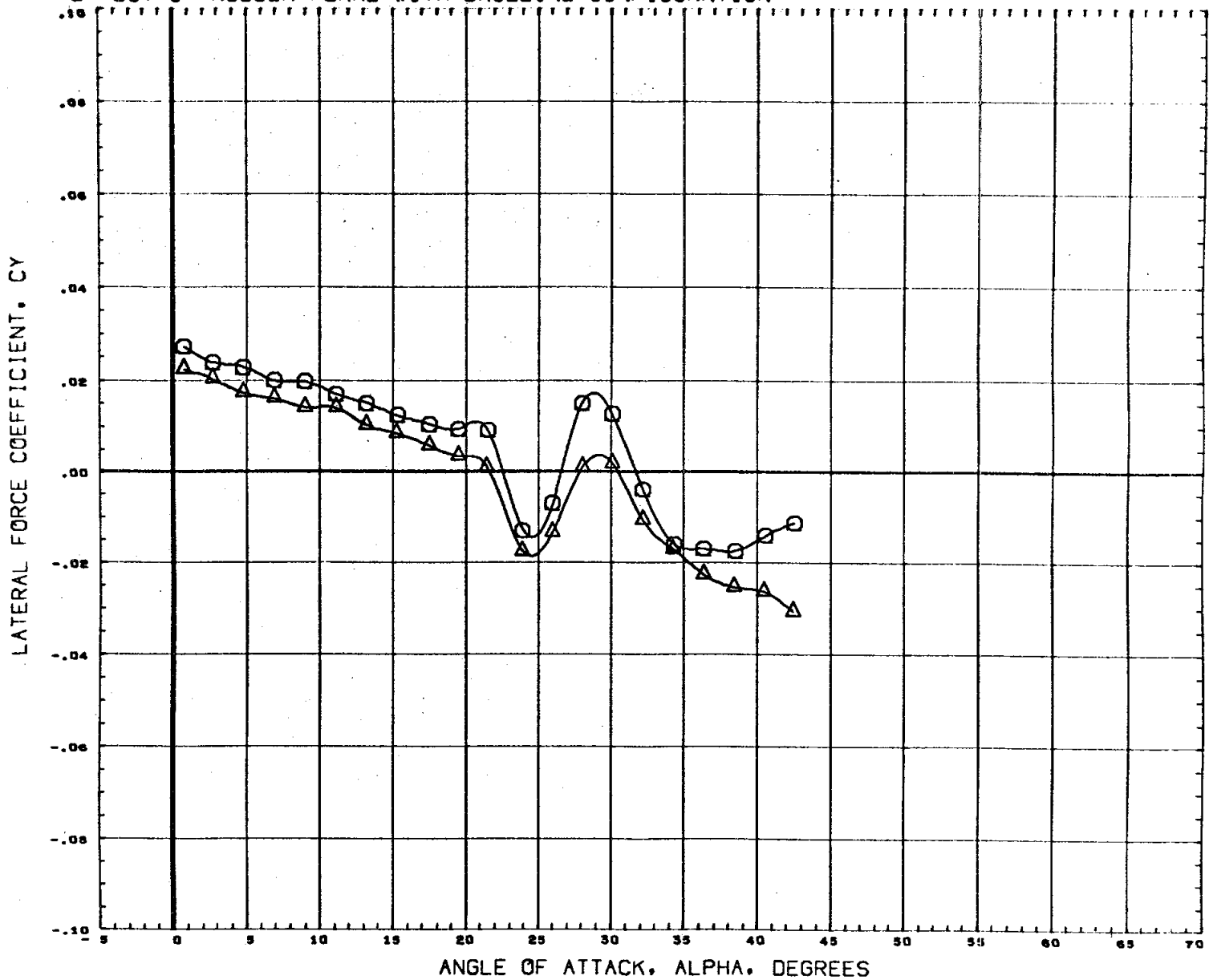


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUDFLR	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76523)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	40.000	LREF	2.1020 IN.
					BREF	4.0300 IN.
					XMRP	3.4530 IN.
					YMRP	0.0000 IN.
					ZMRP	0.0000 IN.
					SCALE	0.0040


MACH 4.96

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(A7630S)  M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

(A7652S)  M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

BETA

RUDDER

RUDFLR

0.000
0.000

0.000
0.000

10.000
40.000

REFERENCE INFORMATION

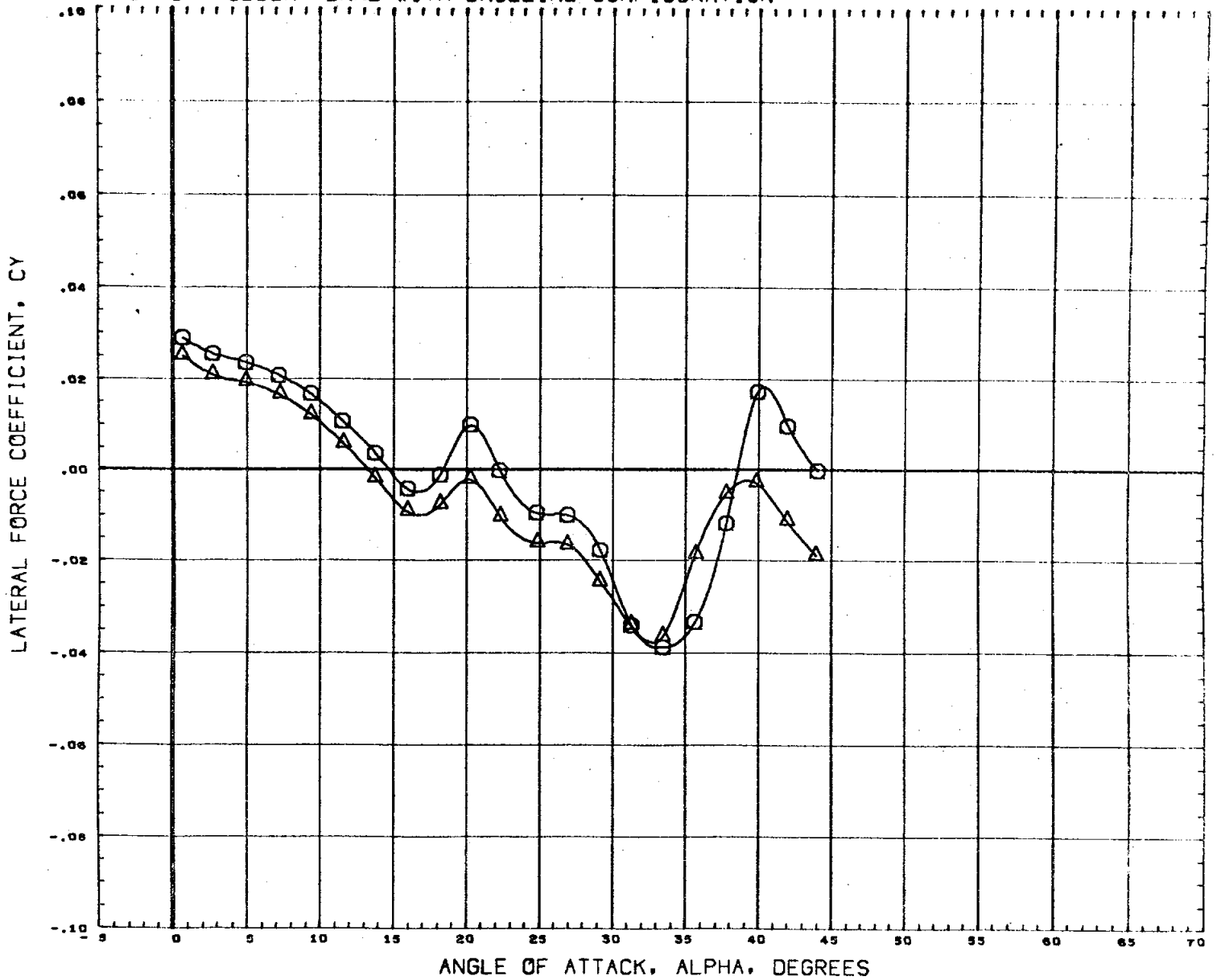
SREF 7.4190 SQ. IN.
LREF 2.1020 IN.
BREF 4.0300 IN.
XMRP 3.4530 IN.
YMRP 0.0000 IN.
ZMRP 0.0000 IN.
SCALE 0.0040

MACH

.59

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION



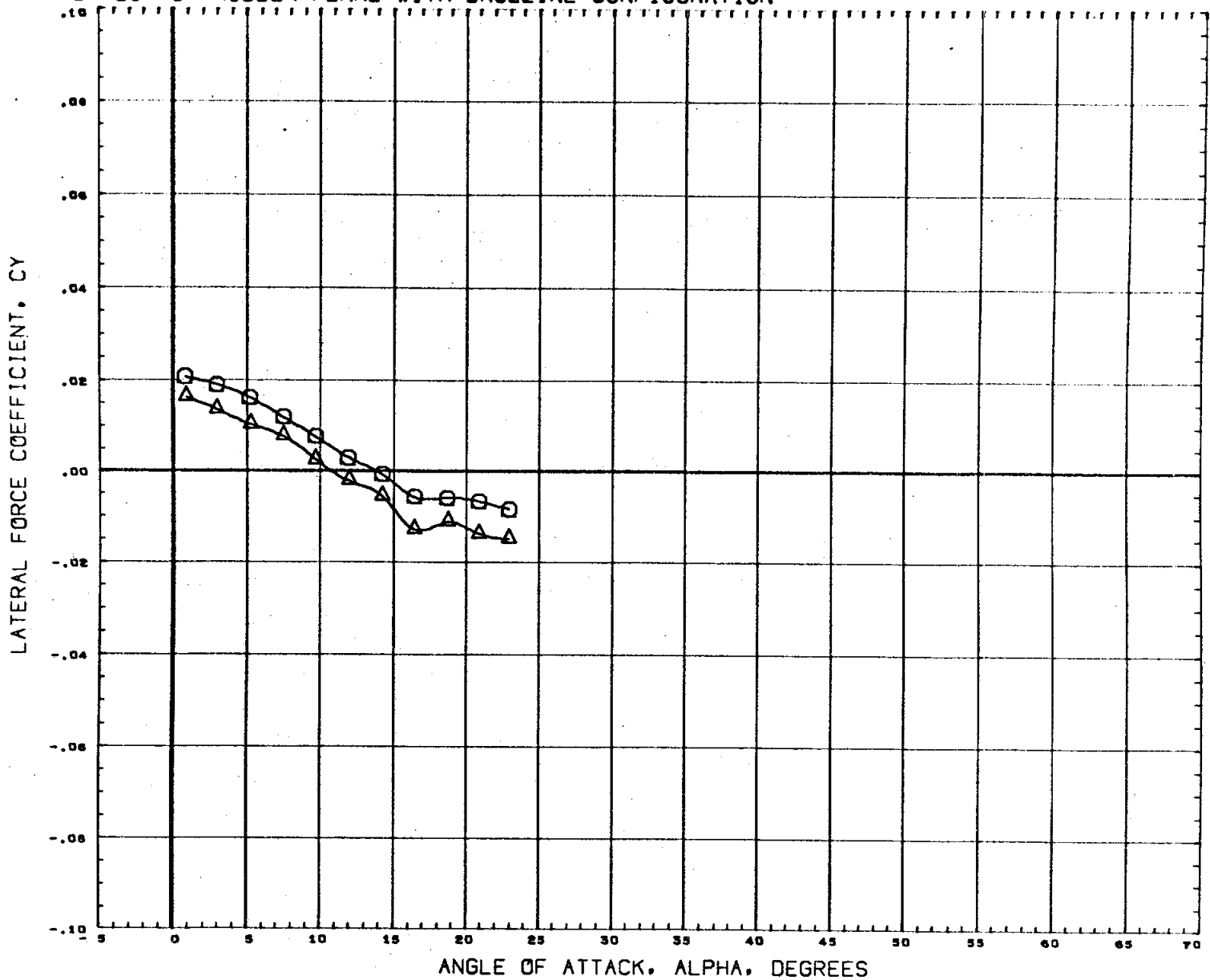
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUDFLR
(A76308)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000
(A76323)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	40.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH .90

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(A76309) M555(PA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

(A76523) M555(PA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

BETA	RUDDER	RUDFLR
0.000	0.000	10.000
0.000	0.000	40.000

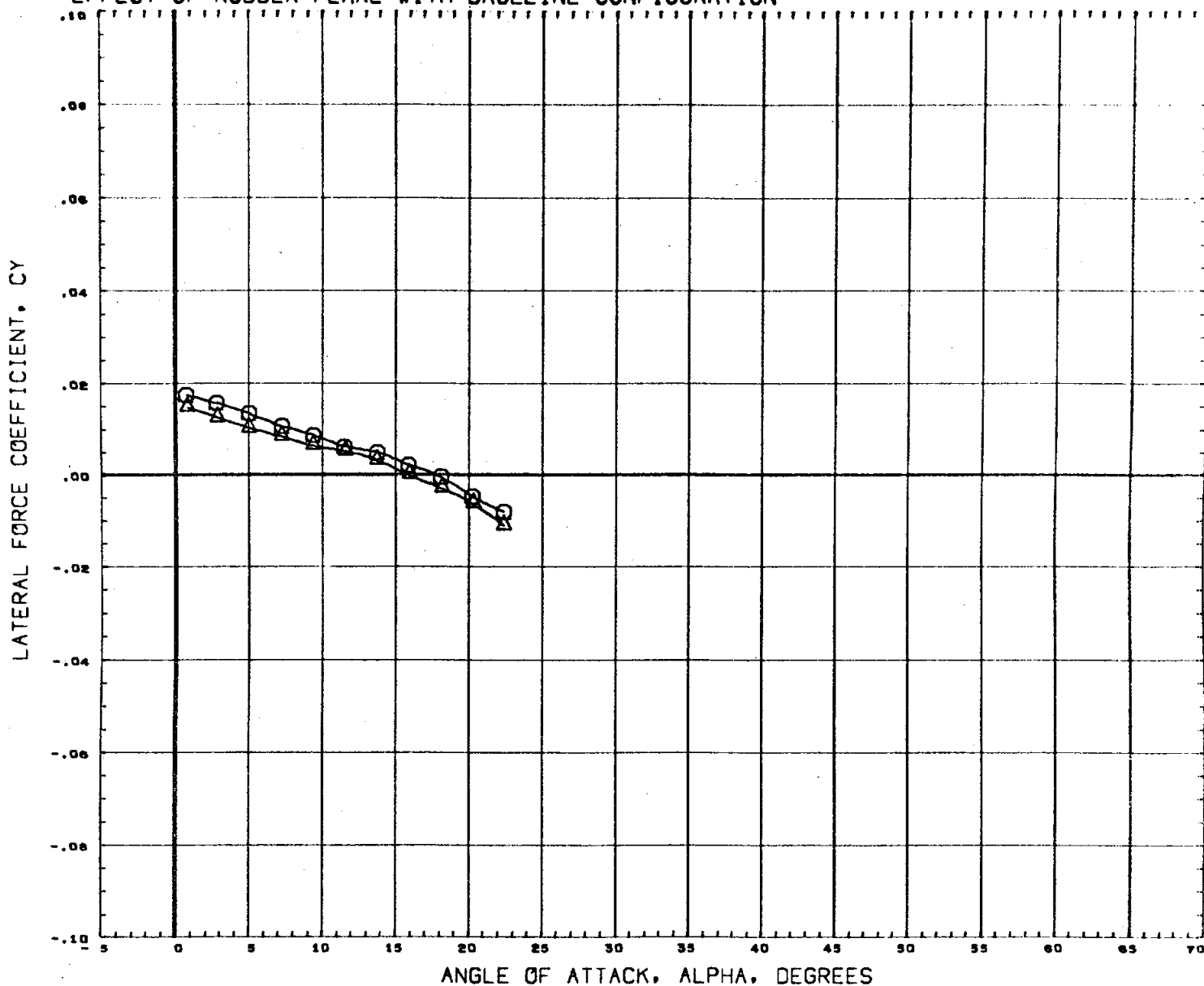
REFERENCE INFORMATION

SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 1.20

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(A7630S) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

(A76S23) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

BETA

RUDDER

RUOFLR

0.000 0.000 10.000

0.000 0.000 40.000

REFERENCE INFORMATION

SREF 7.4190 SQ. IN.

LREF 2.1020 IN.

BREF 4.0300 IN.

XMRP 3.4530 IN.

YMRP 0.0000 IN.

ZMRP 0.0000 IN.

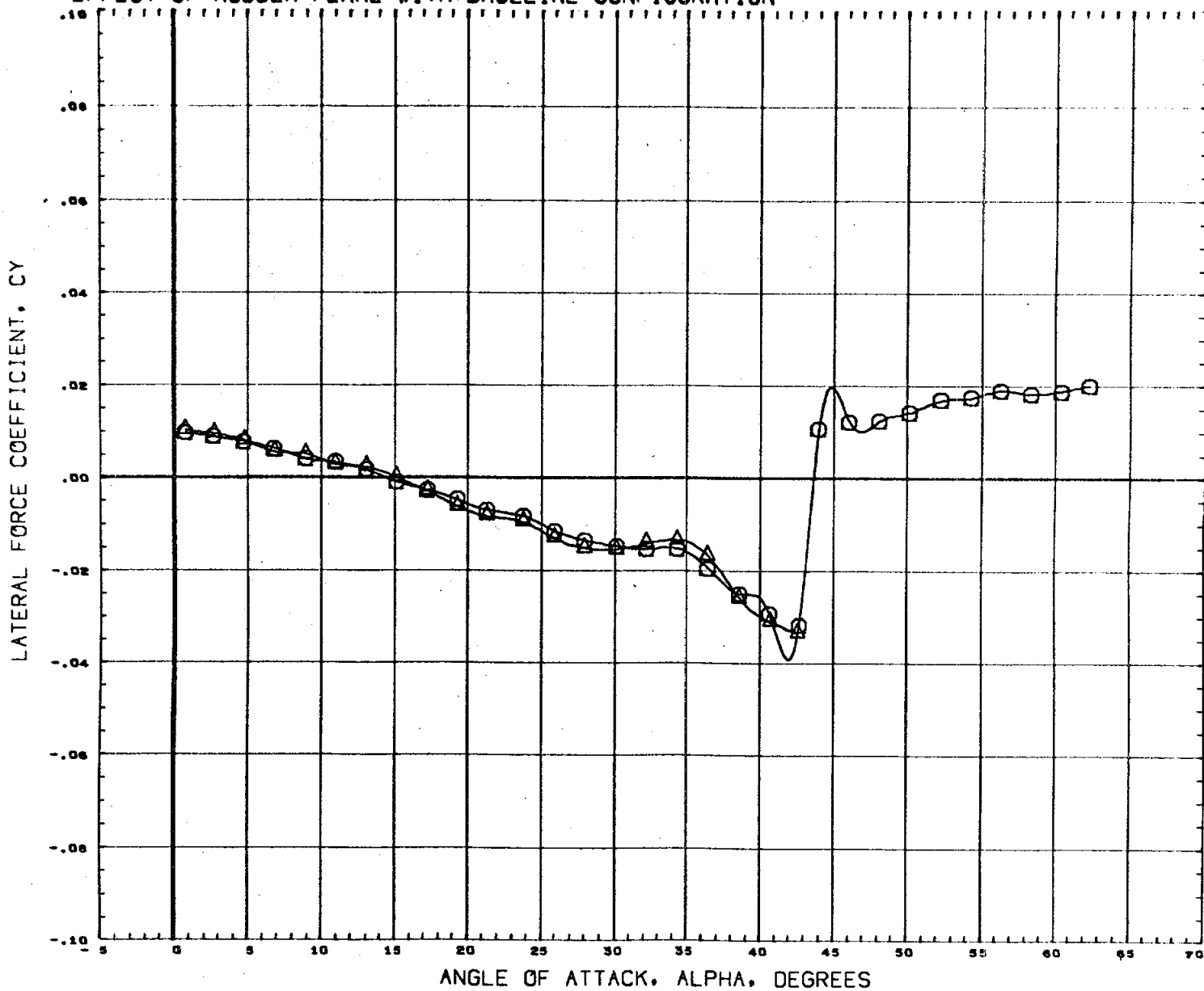
SCALE 0.0040

MACH

1.97

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION



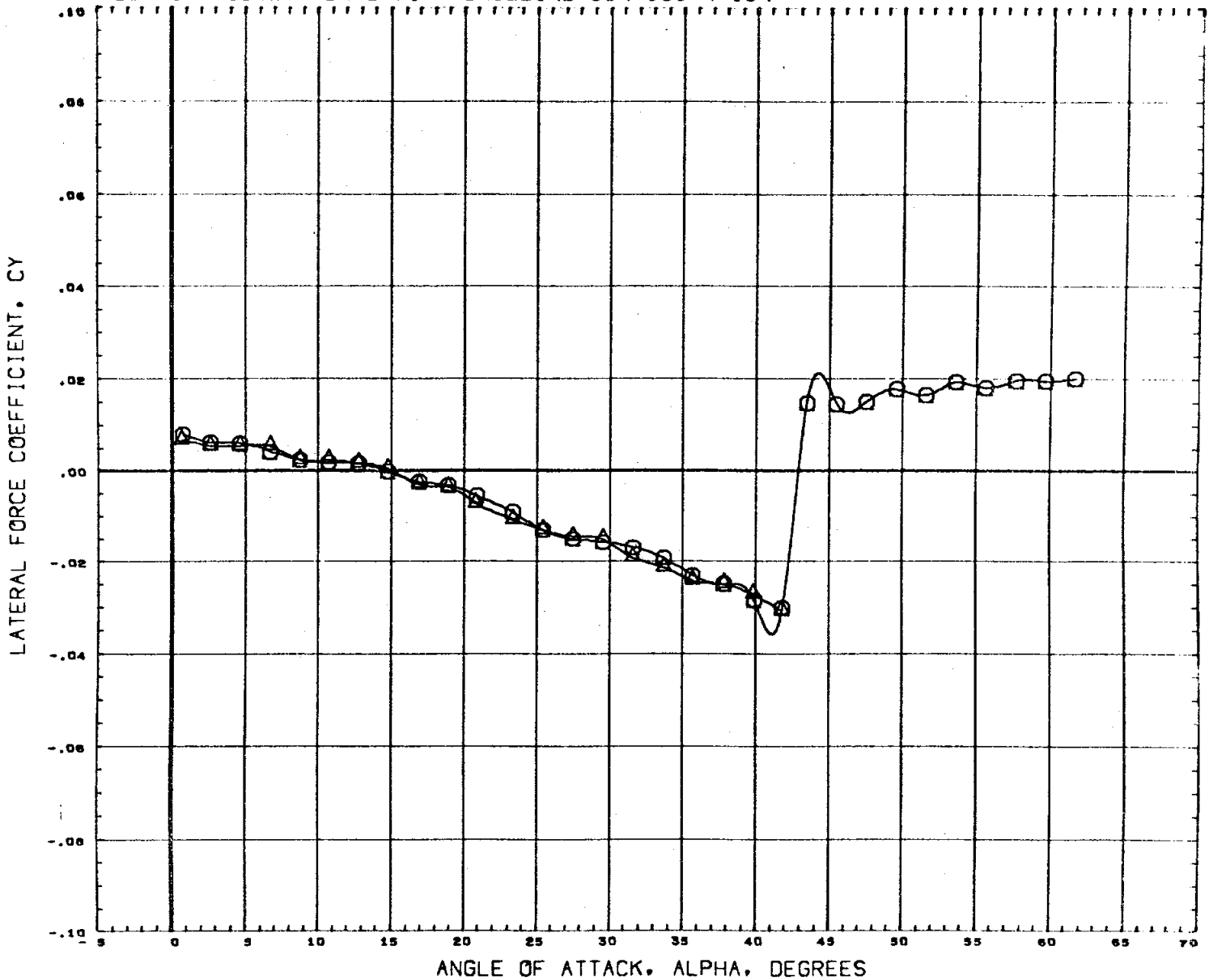
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUDFLR
(A76303)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000
(A76523)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	40.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 2.99

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION

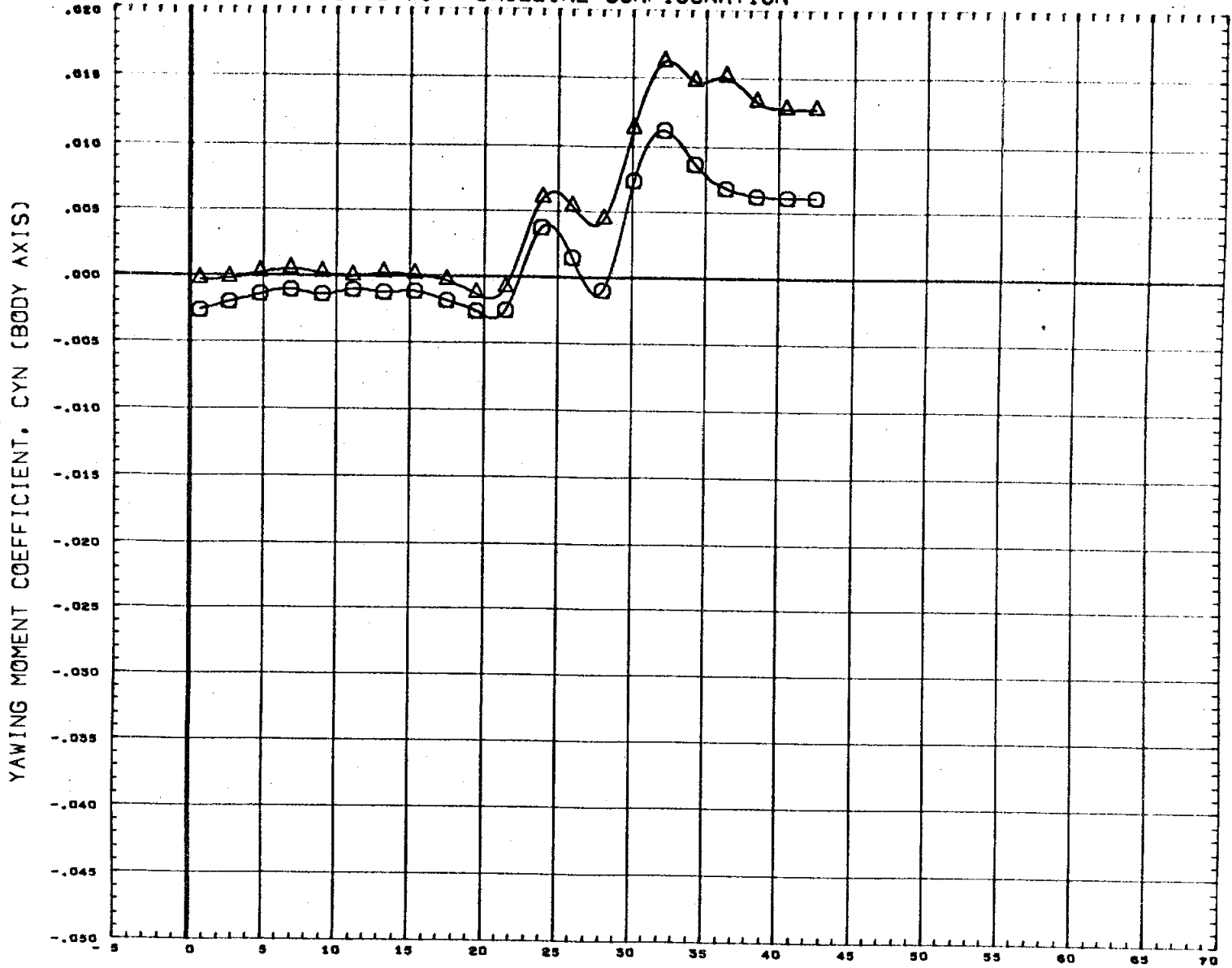


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUDFLR	REFERENCE INFORMATION	
(A7630S)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(A76323)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	40.000	LREF	2.1020 IN.
					OREF	4.0300 IN.
					XMRP	3.4530 IN.
					YMRP	0.0000 IN.
					ZMRP	0.0000 IN.
					SCALE	0.0040

MACH 4.96

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(A76303) Δ M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
 (A76523) Δ M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

BETA

0.000
0.000

RUDDER

0.000
0.000

RUDFLR

10.000
40.000

REFERENCE INFORMATION

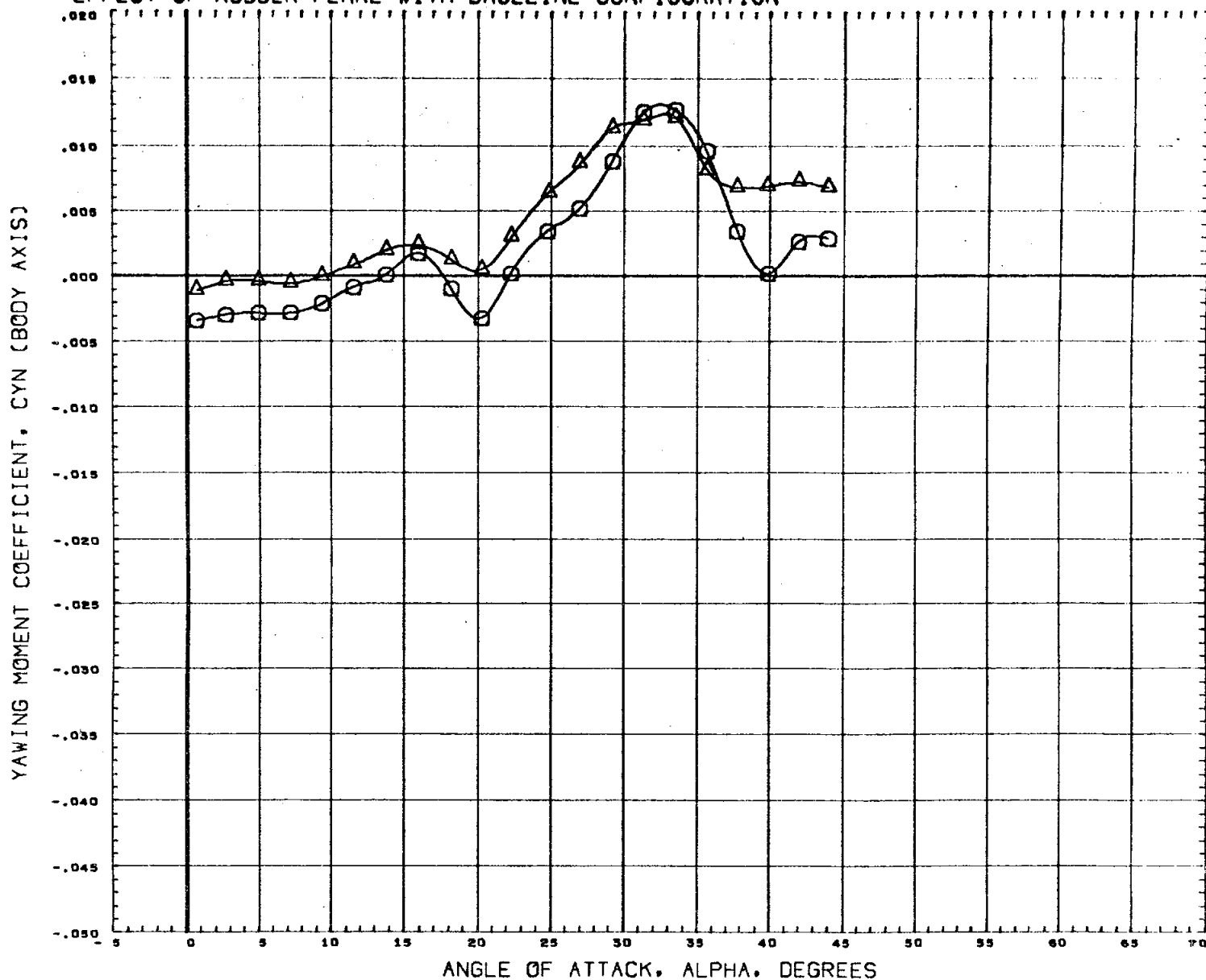
SREF 7.4190 SQ. IN.
 LREF 2.1020 IN.
 BREF 4.0300 IN.
 XMRF 3.4530 IN.
 YMRF 0.0000 IN.
 ZMRF 0.0000 IN.
 SCALE 0.0040

MACH

.59

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(A76305) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

(A76523) N555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

BETA	RUDDER	RUDFLR
0.000	0.000	10.000
0.000	0.000	40.000

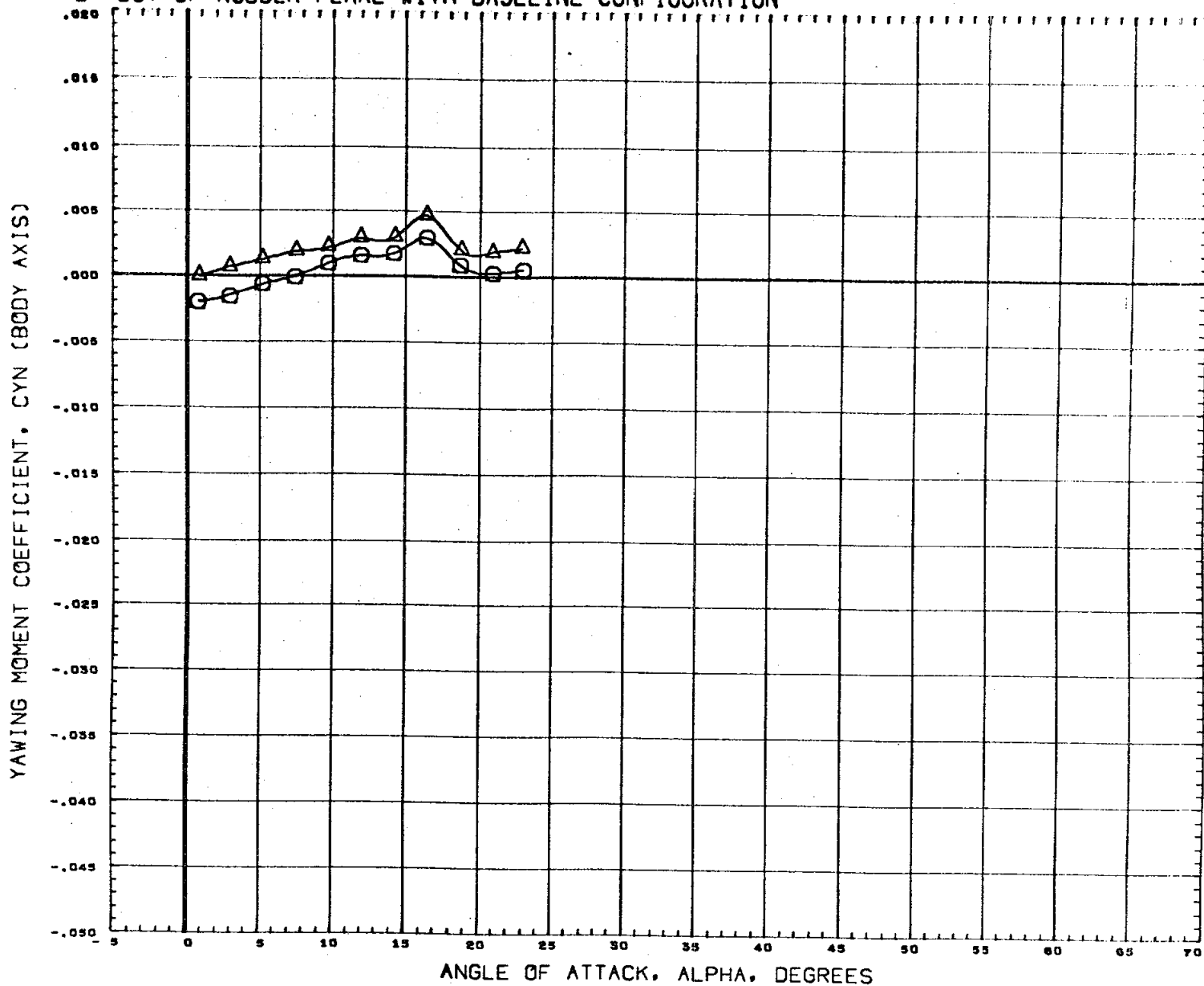
REFERENCE INFORMATION

SREF	7.4190	50. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	


MACH .90

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(A76305)  M555(PA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

(A76323)  M555(PA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

BETA	RUDDER	RUDFLR
0.000	0.000	10.000
0.000	0.000	40.000

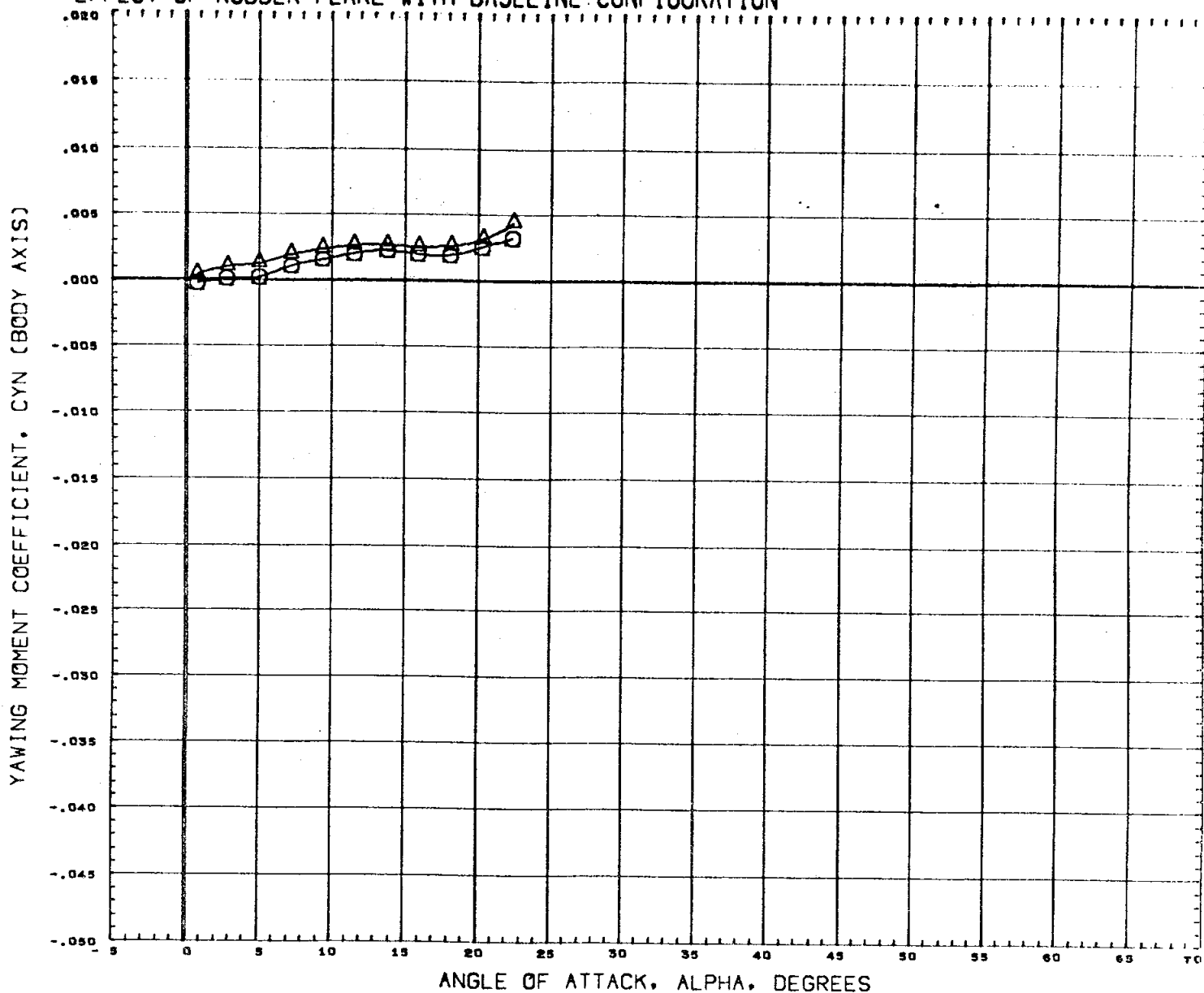
REFERENCE INFORMATION

SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4330	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	


MACH 1.20

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(A7630S)  M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

(A76S23)  M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

BETA	RUDDER	RUDFLR
0.000	0.000	10.000
0.000	0.000	40.000

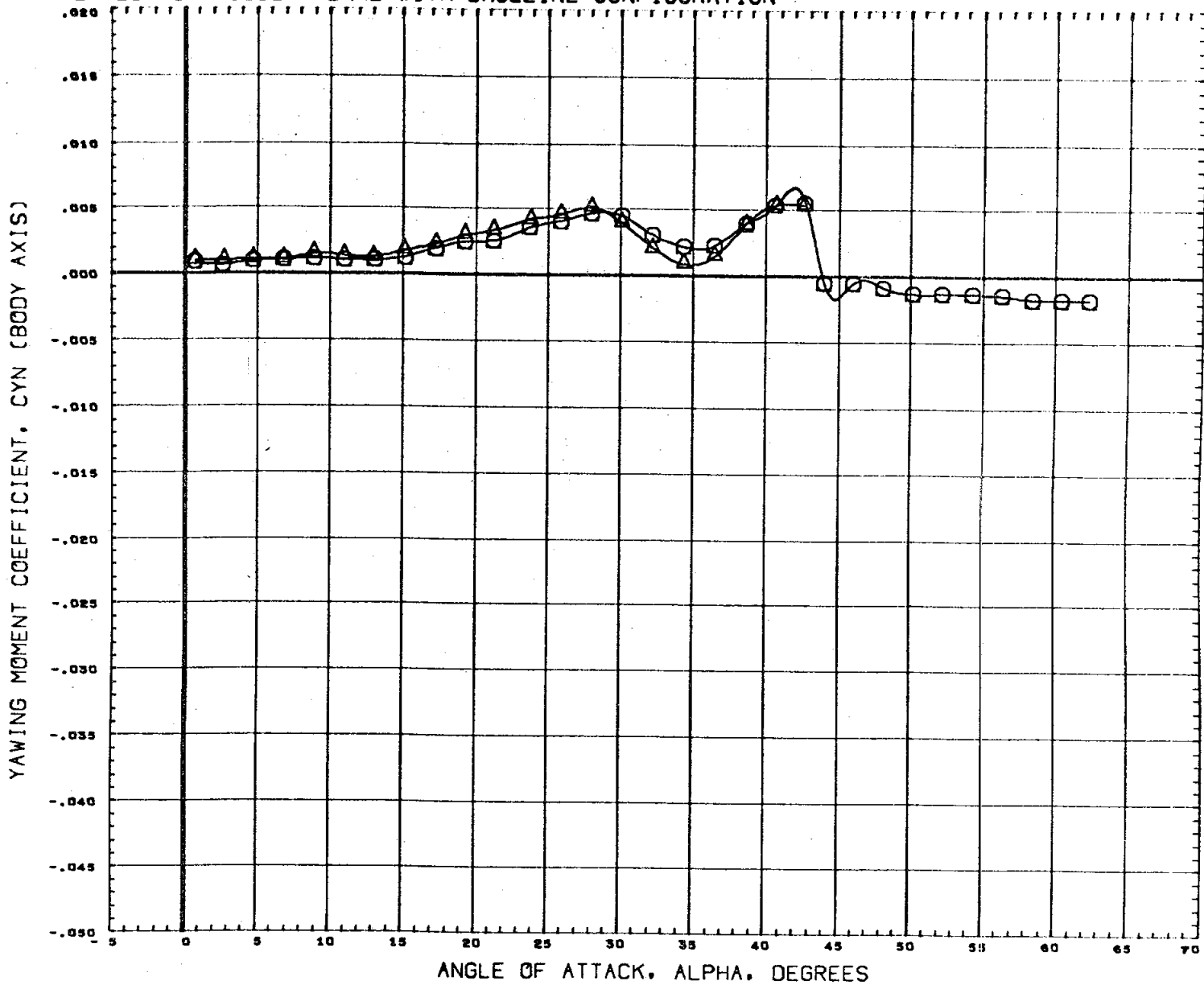
REFERENCE INFORMATION

SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 1.97

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(A7630S) Δ M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
 (A76523) \circ M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

BETA	RUDDER	RUDFLR
0.000	0.000	10.000
0.000	0.000	40.000

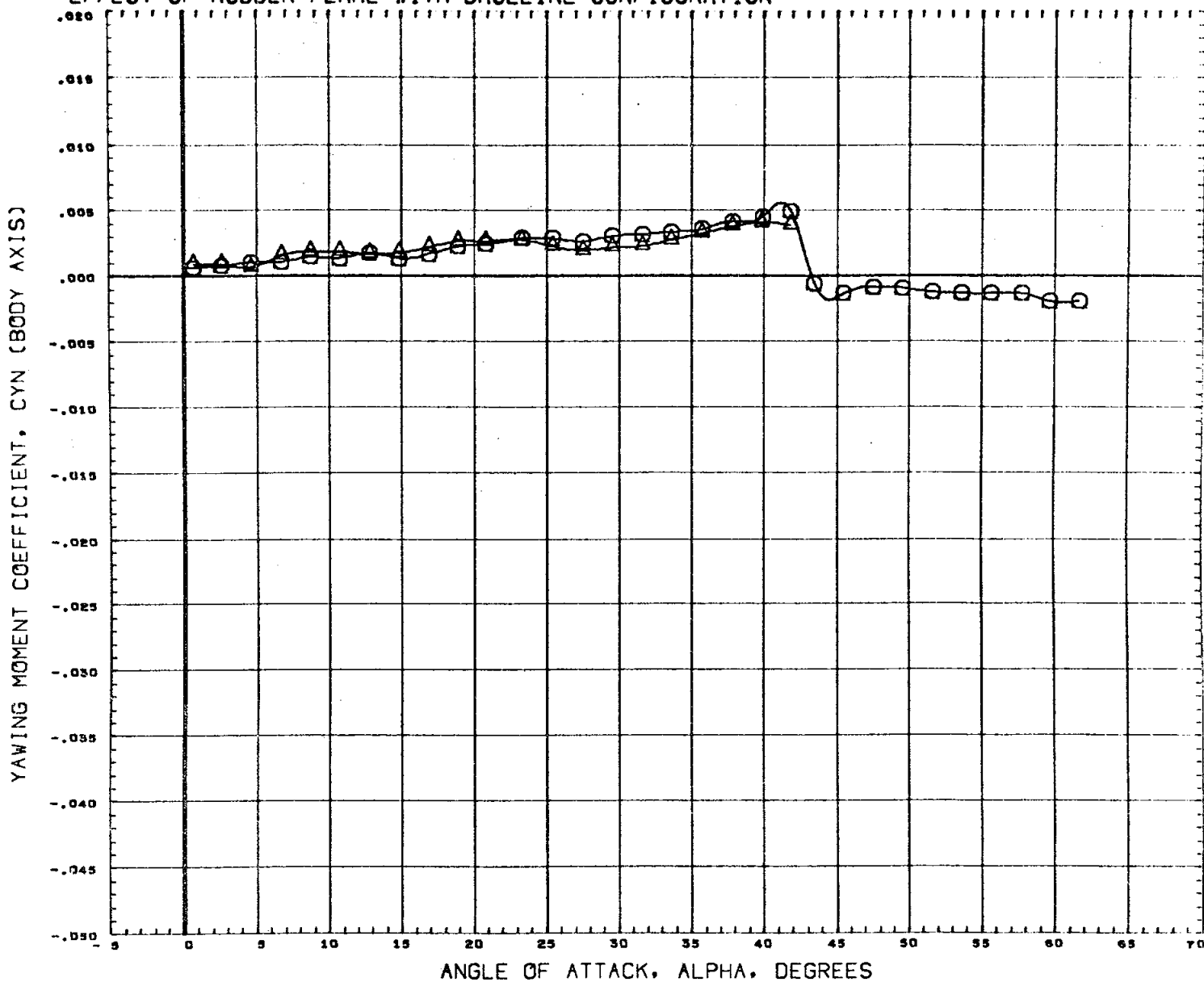
REFERENCE INFORMATION

SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 2.99

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION

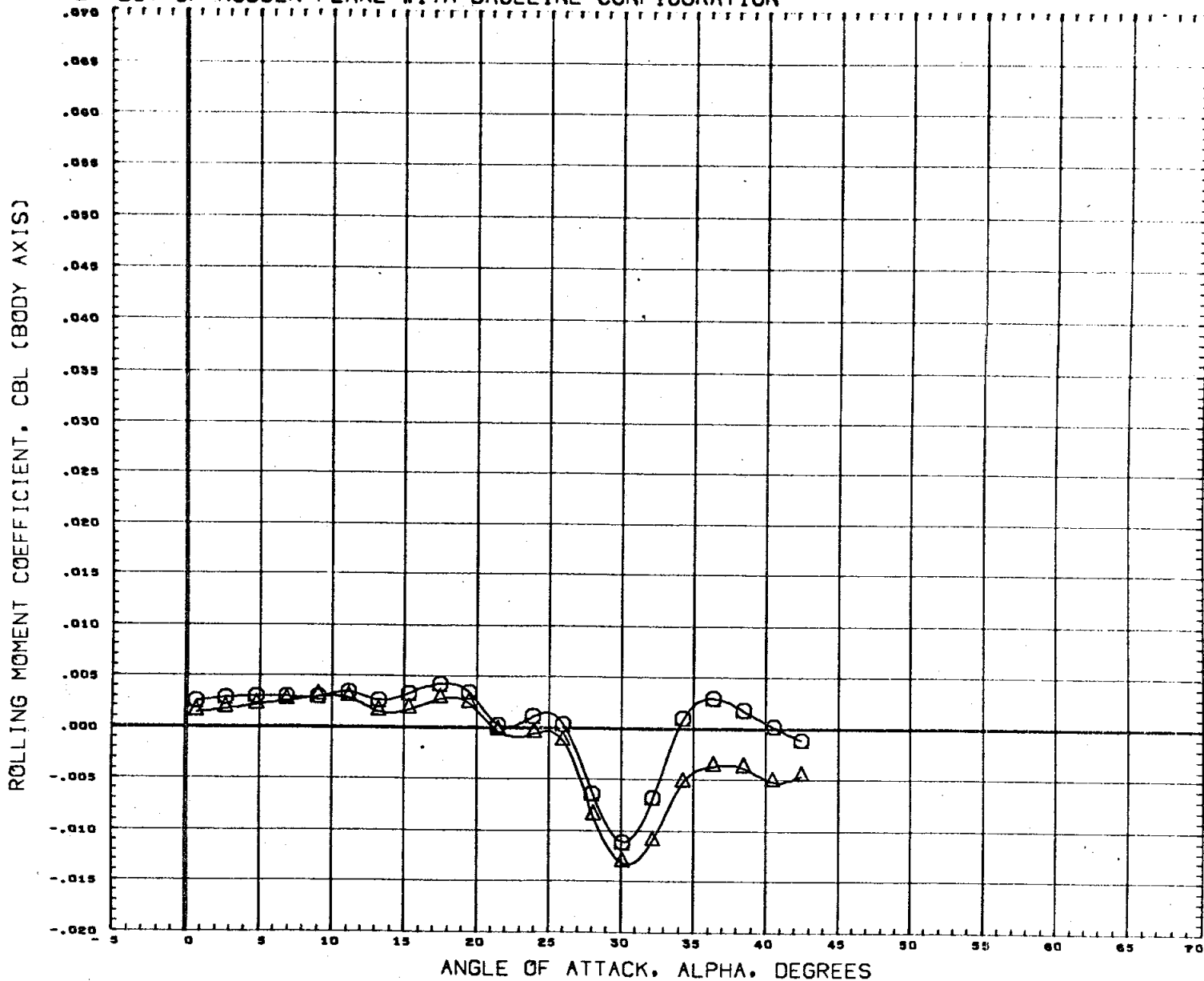


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUDFLR	REFERENCE INFORMATION	
(A7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(A76323)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	40.000	LREF	2.1020 IN.
					BREF	4.0300 IN.
					XMRF	3.4330 IN.
					YMRF	0.0000 IN.
					ZMRF	0.0000 IN.
					SCALE	0.0040

MACH 4.96

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(A7630S) M555 (FA3) NAR ATP ORB (B1C101F1M1) (W1E1) (V1K1R1)
 (A7632S) M555 (FA3) NAR ATP ORB (B1C101F1M1) (W1E1) (V1K1R1)

BETA	RUDDER	RUDFLR
0.000	0.000	10.000
0.000	0.000	40.000

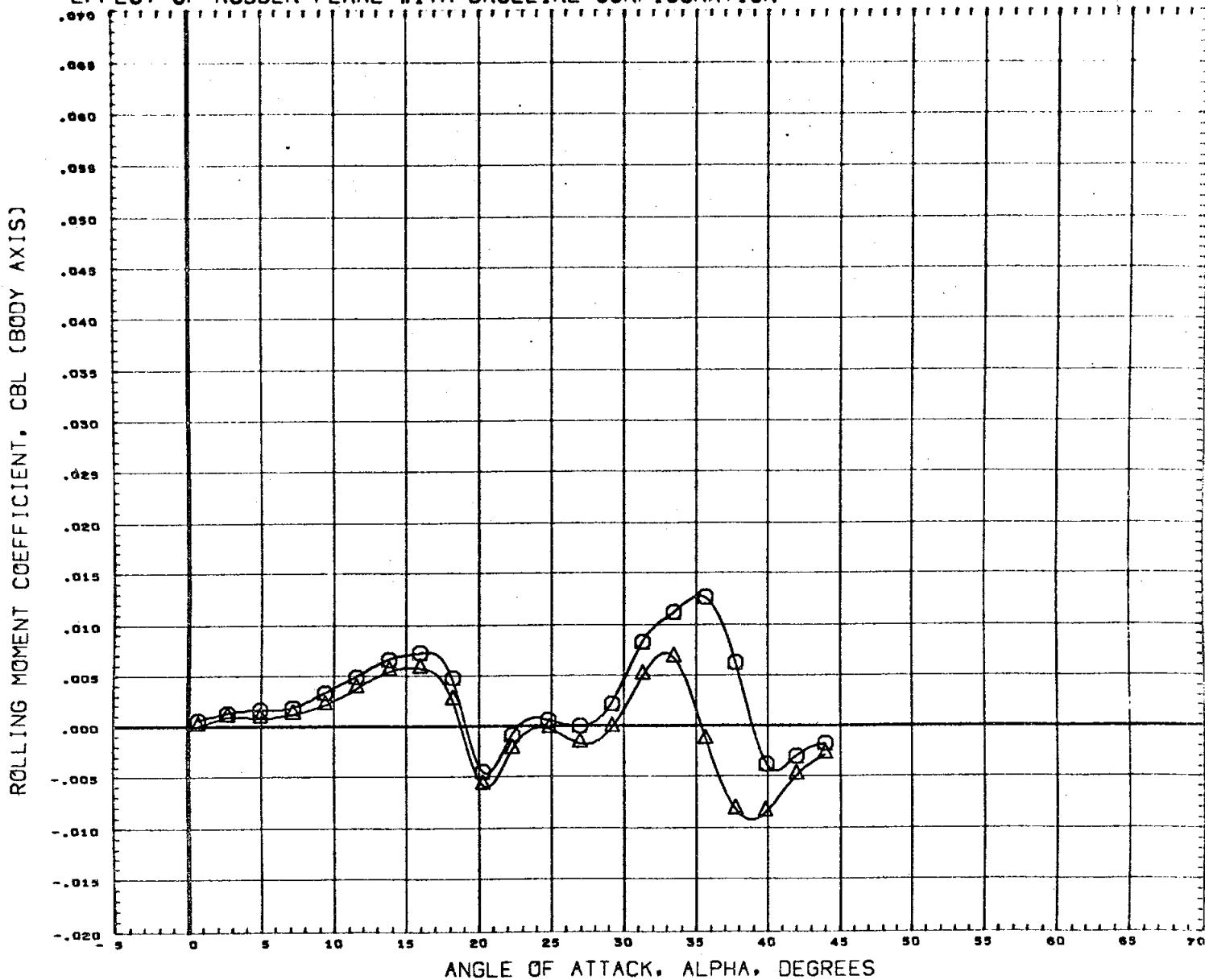
REFERENCE INFORMATION

SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.004G	

MACH .59

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION



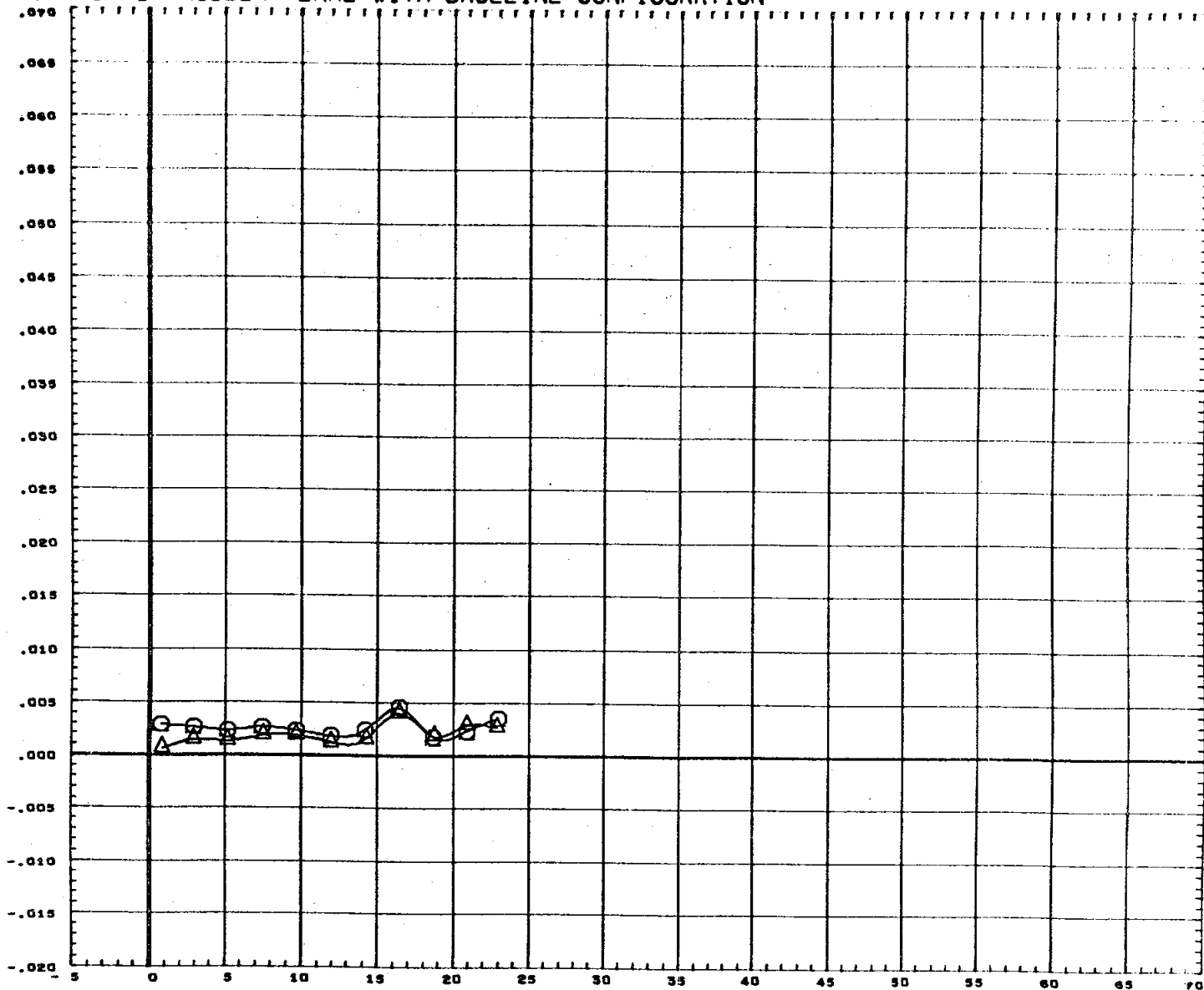
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUDFLR	REFERENCE INFORMATION		
(A76303)	M555 (FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	SREF	7.4190	50. IN.
(A76323)	M555 (FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	40.000	LREF	2.1020	IN.
					BREF	4.0300	IN.
					XMRP	3.4530	IN.
					YMRP	0.0000	IN.
					ZMRP	0.0000	IN.
					SCALE	0.0040	

MACH .90

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(A76305)  M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

(A76523)  M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

BETA	RUDDER	RUDFLR
0.000	0.000	10.000
0.000	0.000	40.000

REFERENCE INFORMATION

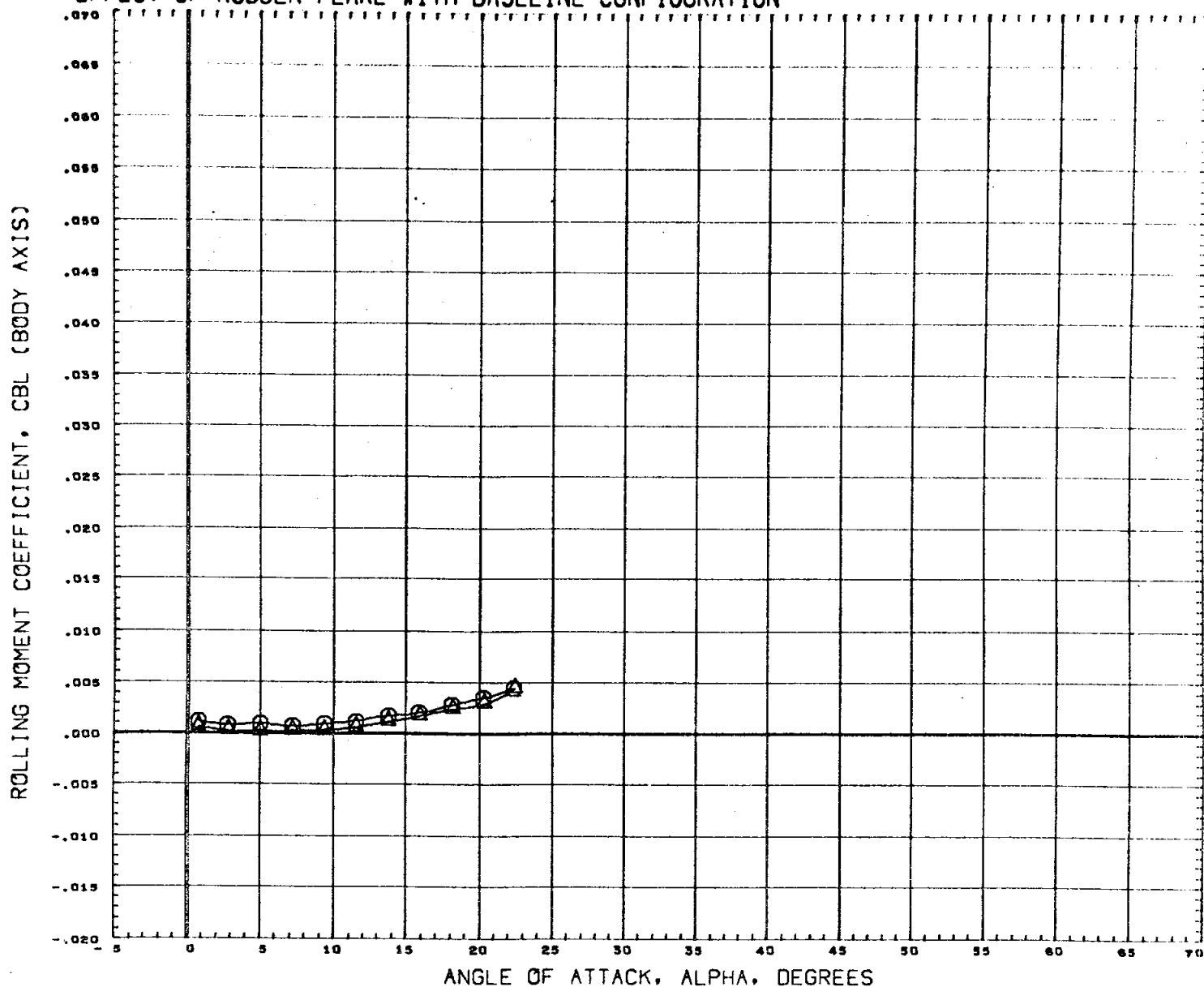
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH

1.20

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION

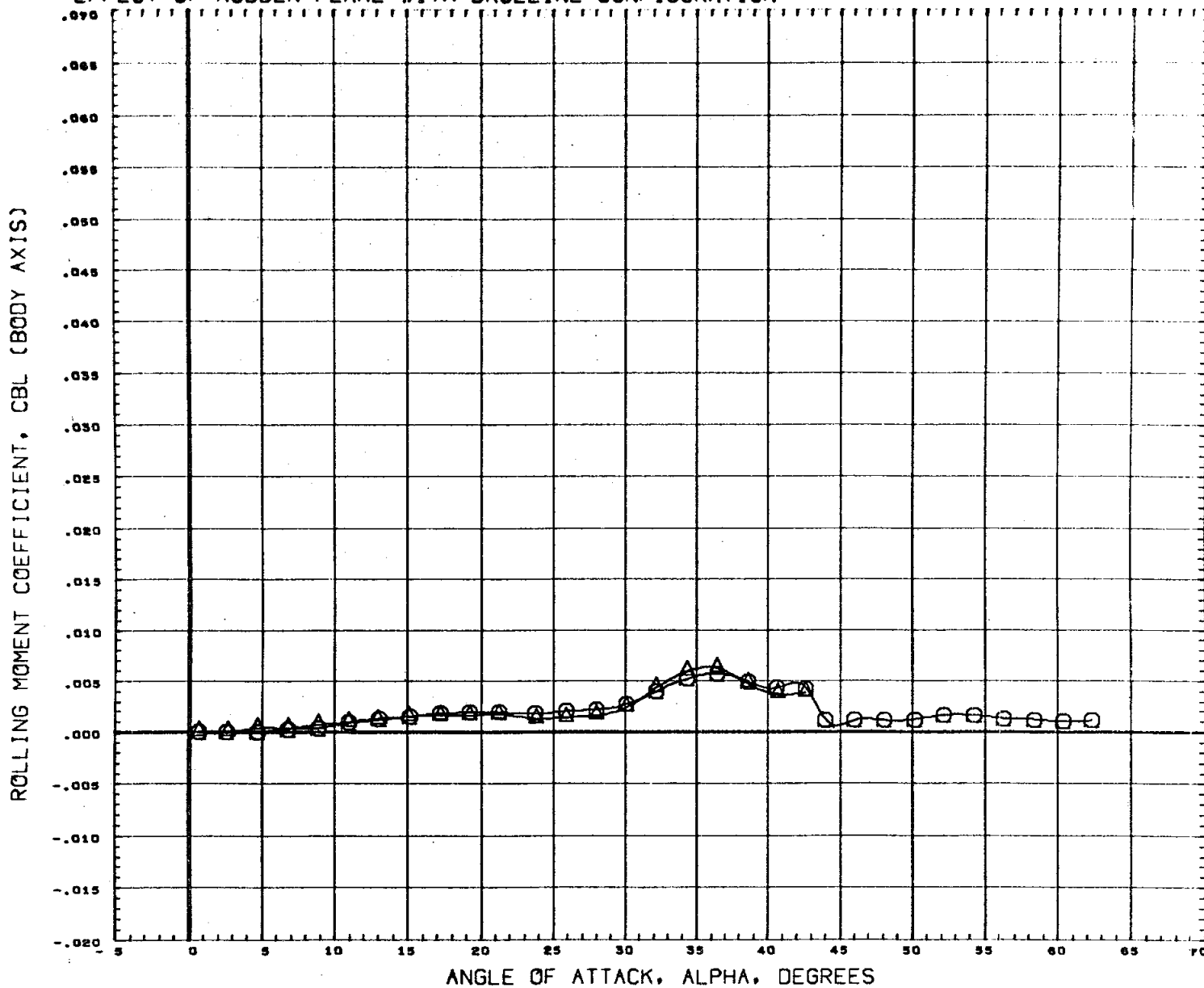


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUOFLR	REFERENCE INFORMATION	
(A76305)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(A76323)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	40.000	LREF	2.1020 IN.
					BREF	4.0300 IN.
					XMHP	3.4530 IN.
					YMHP	0.0000 IN.
					ZMHP	0.0000 IN.
					SCALE	0.0040

MACH 1.97

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(A7630S) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

(A76S23) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

BETA RUDDER RUDFLR

0.000 0.000 10.000

0.000 0.000 40.000

REFERENCE INFORMATION

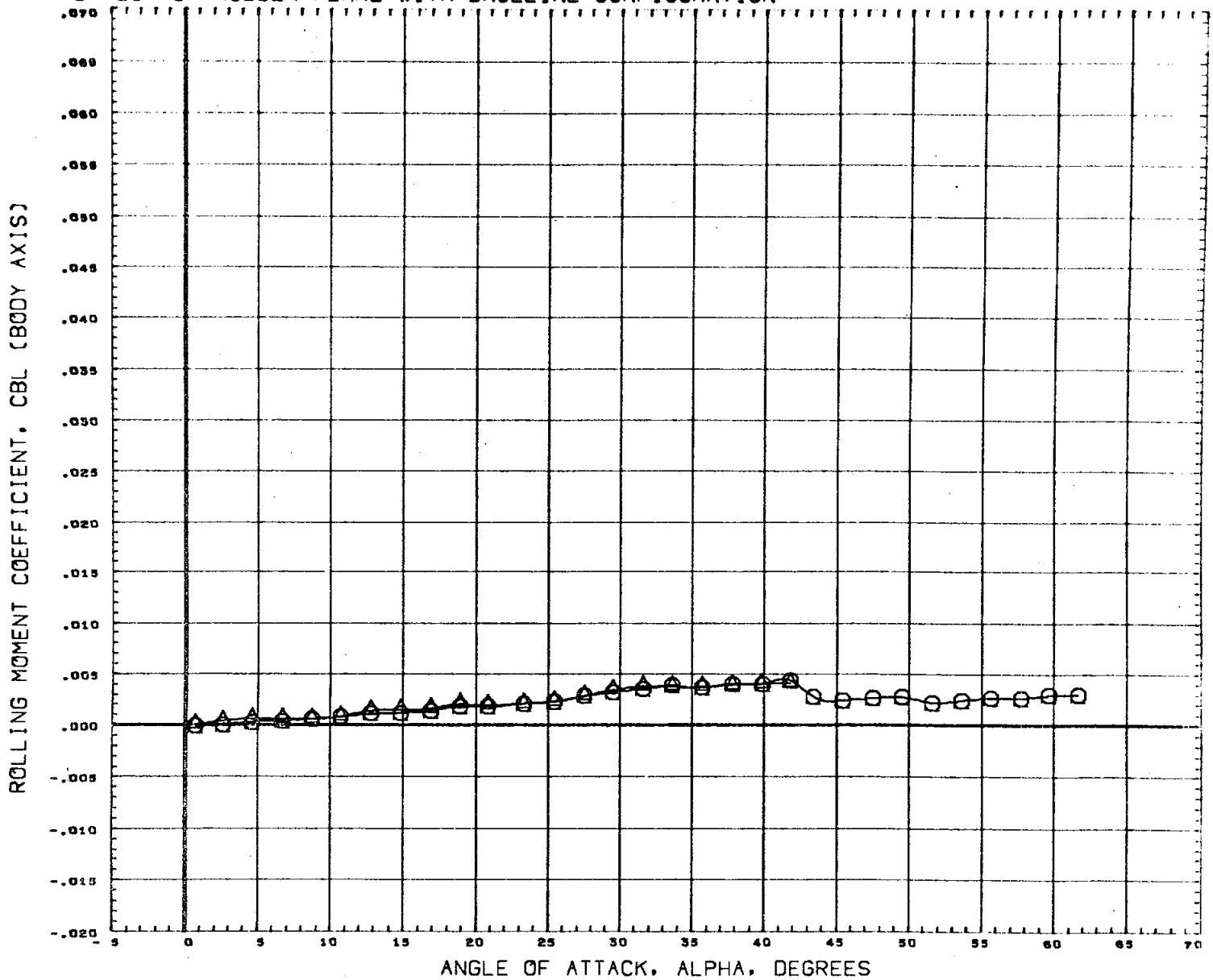
SREF 7.4190 SQ. IN.
LREF 2.1020 IN.
BREF 4.0300 IN.
XMRP 3.4530 IN.
YMRP 0.0000 IN.
ZMRP 0.0000 IN.
SCALE 0.0040

MACH

2.99

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION

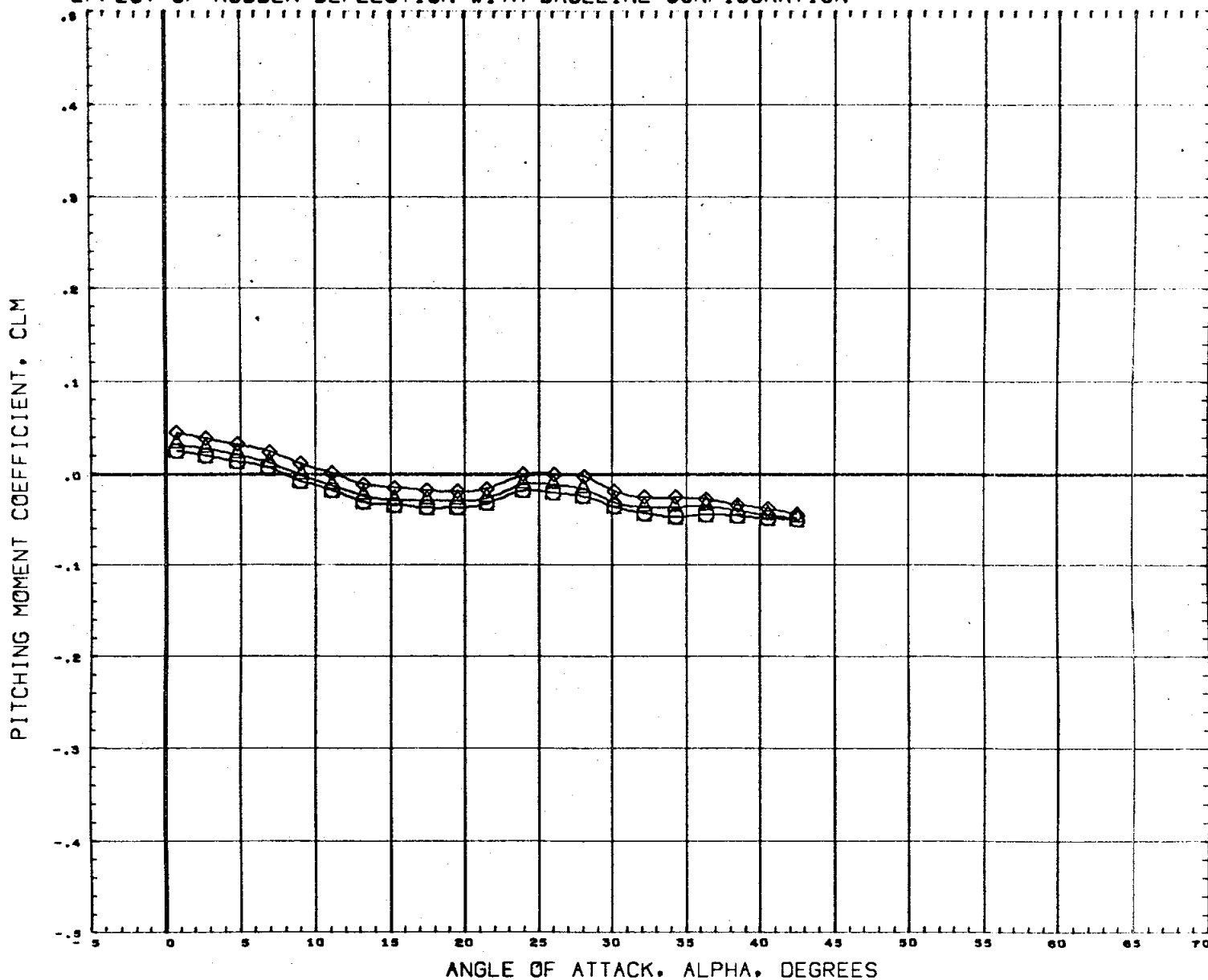


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUDFLR	REFERENCE INFORMATION		
(A7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	SREF	7.4190	34. IN.
(A76523)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	40.000	LREF	2.1020	IN.
					BREF	4.0300	IN.
					XMRP	3.4930	IN.
					YMRP	0.0000	IN.
					ZMRP	0.0000	IN.
					SCALE	0.0040	

MACH 4.96

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EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION



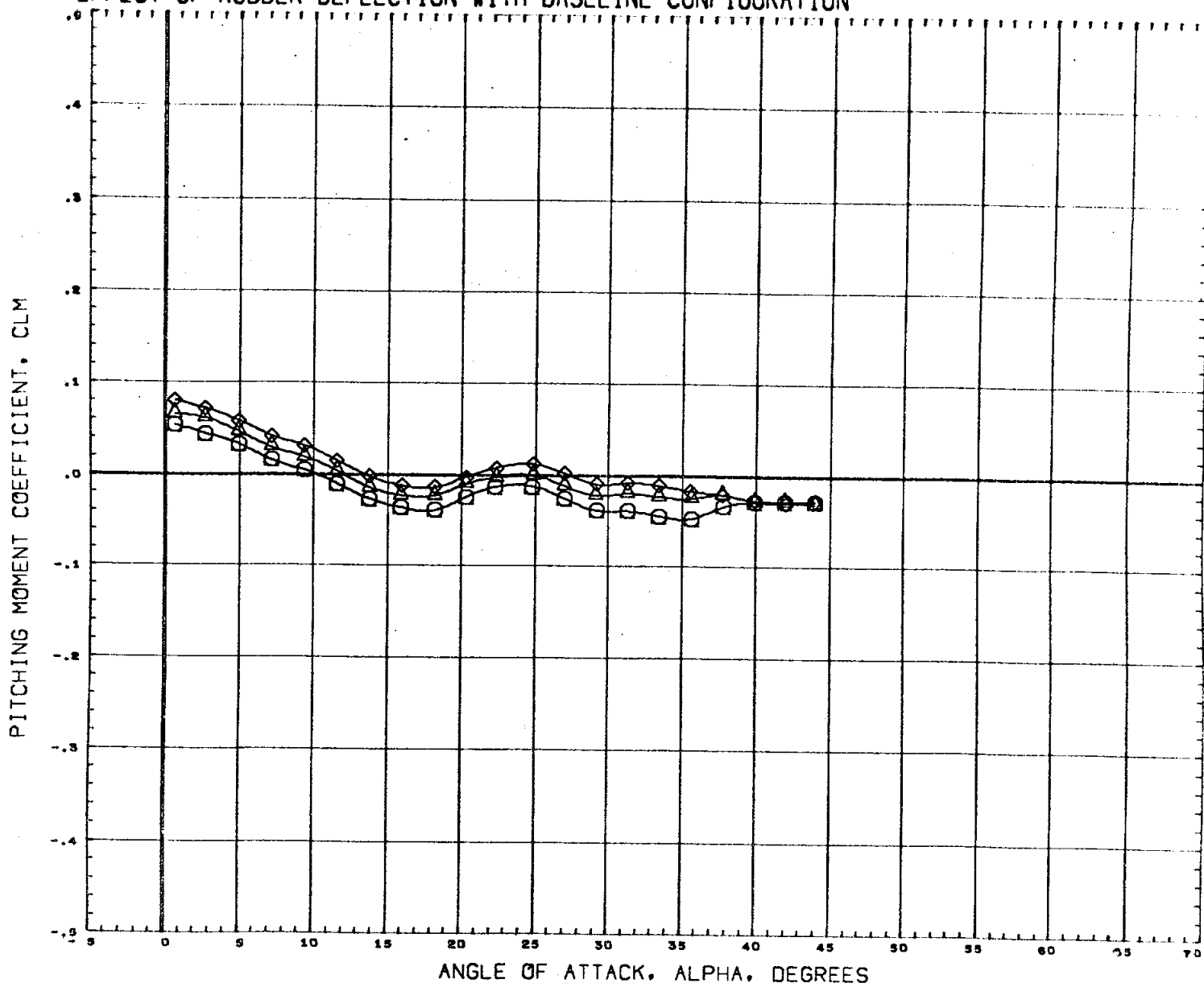
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUDFLR
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000
(C76326)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	15.000	10.000
(C76332)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	15.000	40.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH .59

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EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(C76309) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
 (C76328) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
 (C76332) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

BETA RUDDER RUDDL
 0.000 0.000 10.000
 0.000 15.000 10.000
 0.000 15.000 40.000

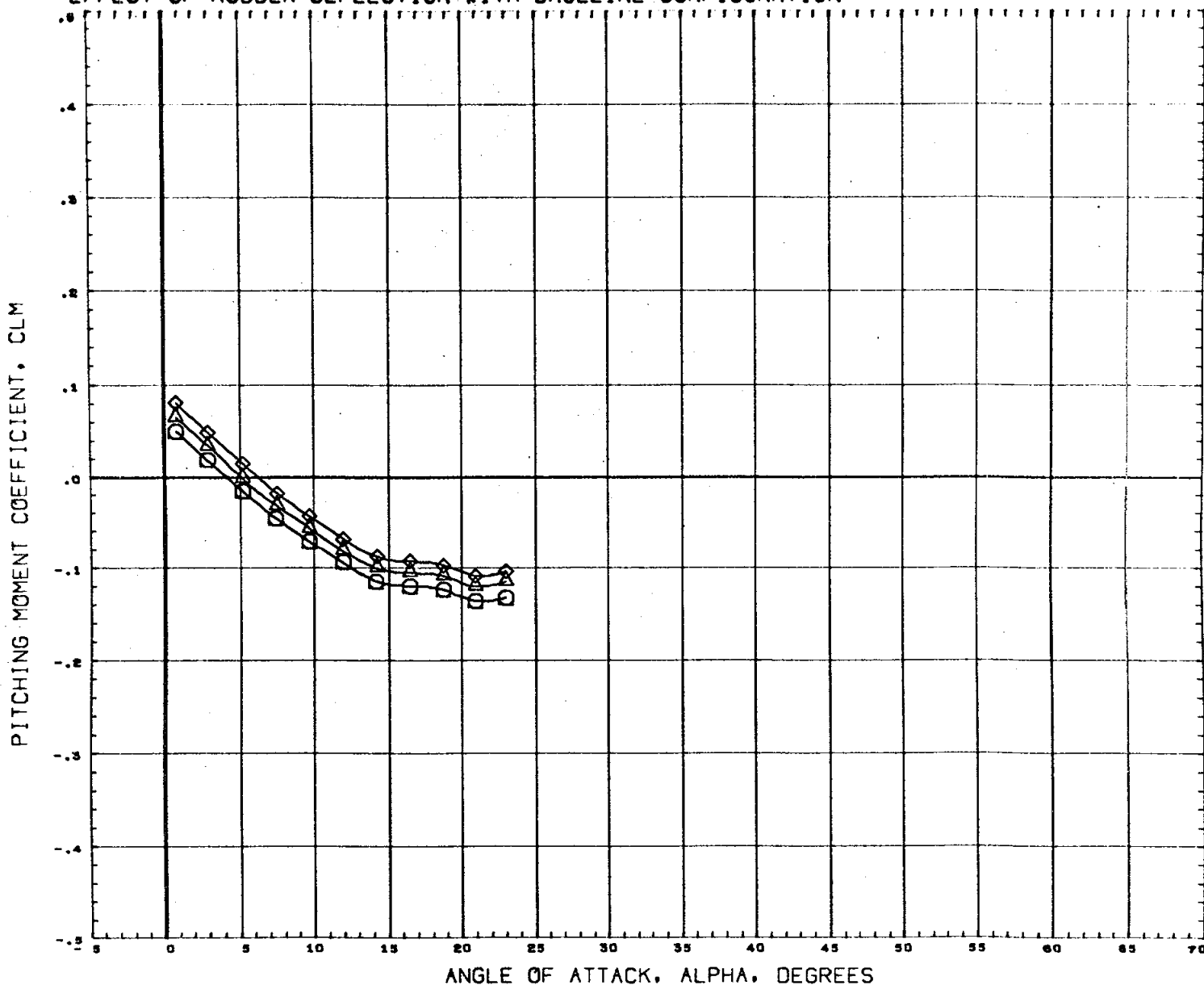
REFERENCE INFORMATION

SREF 7.4190 SQ. IN.
 LREF 2.1020 IN.
 BREF 4.0300 IN.
 XMRP 3.4530 IN.
 YMRP 0.0000 IN.
 ZMRP 0.0000 IN.
 SCALE 0.0040

MACH .90

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EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION

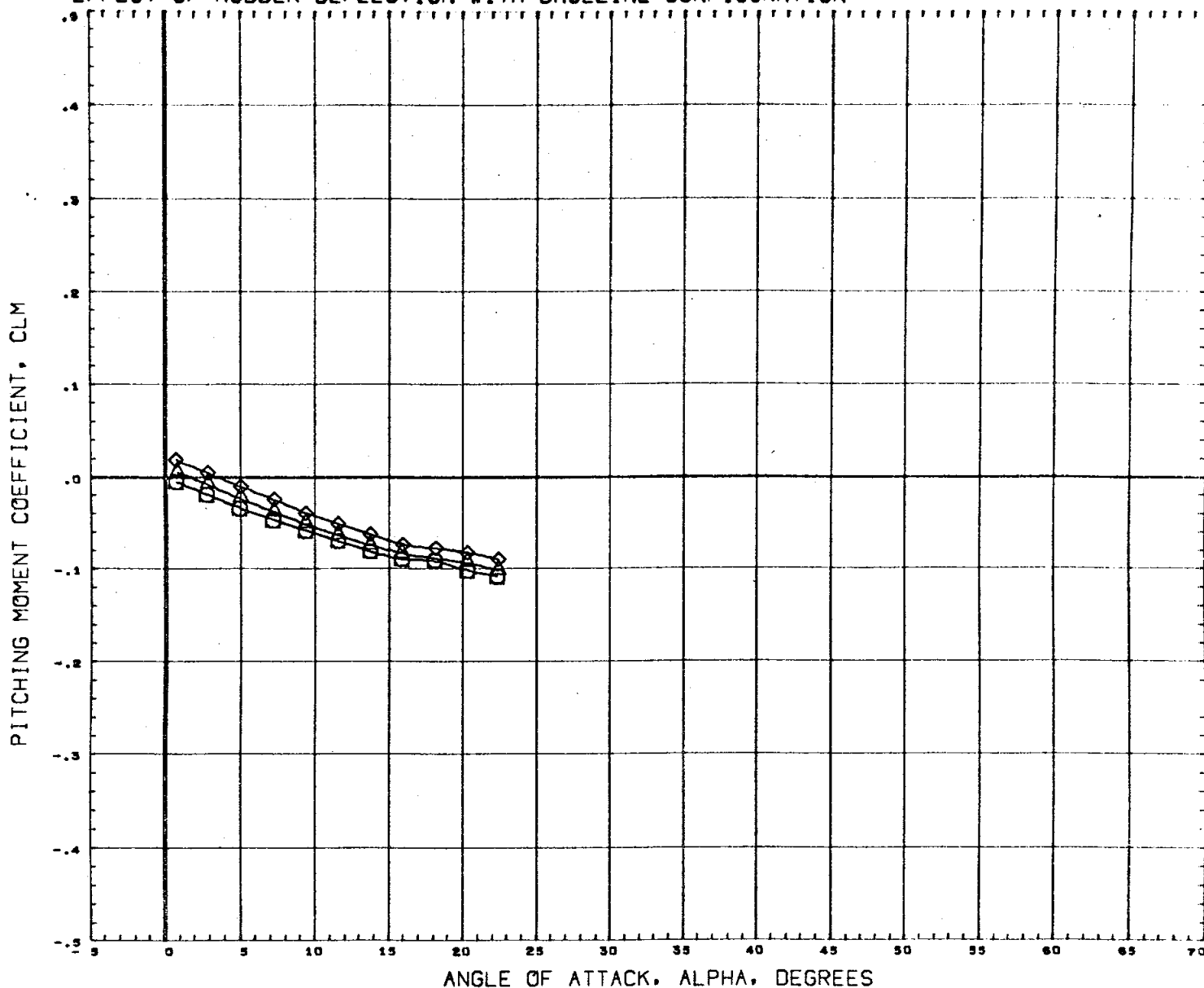


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUDFLR	REFERENCE INFORMATION	
(C76303)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	SREF	7.4190 SQ.IN.
(C76328)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	15.000	10.000	LREF	2.1020 IN.
(C76332)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	15.000	40.000	SREF	4.0300 IN.
					XMRP	3.4530 IN.
					YMRP	0.0000 IN.
					ZMRP	0.0000 IN.
					SCALE	0.0040

MACH 1.20

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EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION

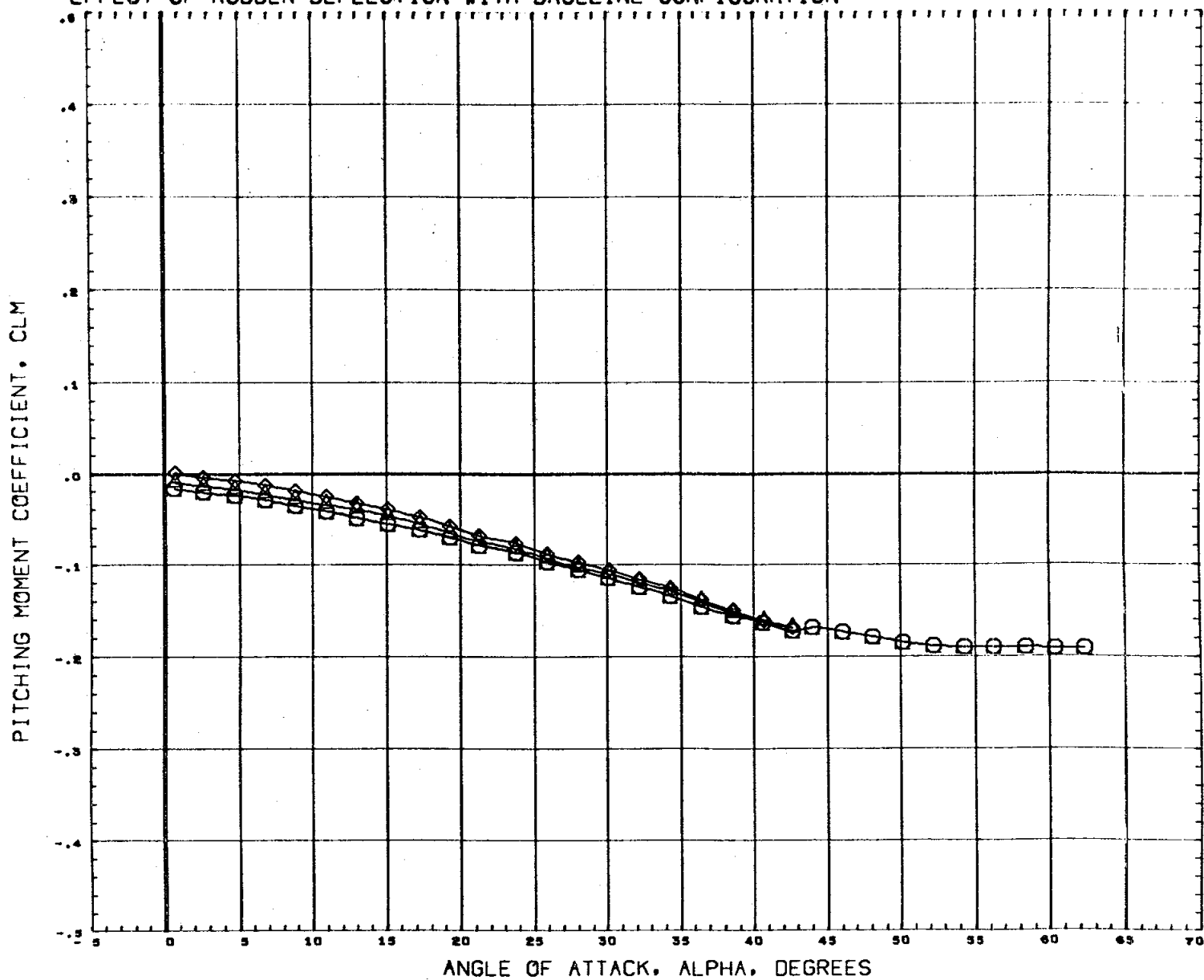


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUDFLR	REFERENCE INFORMATION	
(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76528)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	15.000	10.000	LREF	2.1020 IN.
(C76532)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	15.000	40.000	BREF	4.0300 IN.
					XMRP	3.4530 IN.
					YMRP	0.0000 IN.
					ZMRP	0.0000 IN.
					SCALE	0.0040

MACH 1.97

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EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION

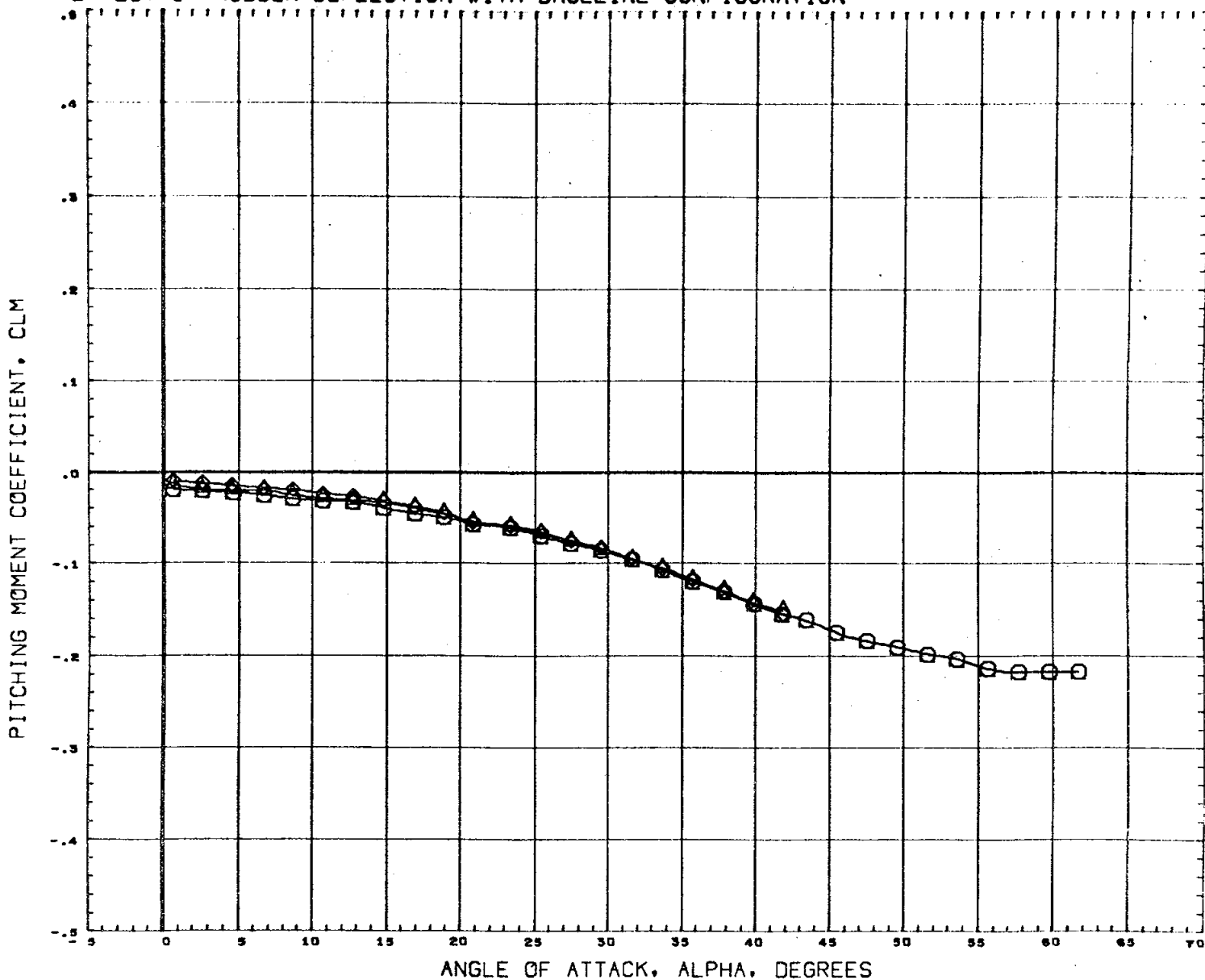


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUDFLR	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76326)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	15.000	10.000	LREF	2.1020 IN.
(C76332)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	15.000	40.000	BREF	4.0300 IN.
					XMRP	3.4530 IN.
					YMRP	0.0000 IN.
					ZMRP	0.0000 IN.
					SCALE	0.0040

MACH 2.99

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EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(C76305) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
 (C76528) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
 (C76532) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

BETA RUDDER RUDFLR
 0.000 0.000 10.000
 0.000 15.000 10.000
 0.000 15.000 40.000

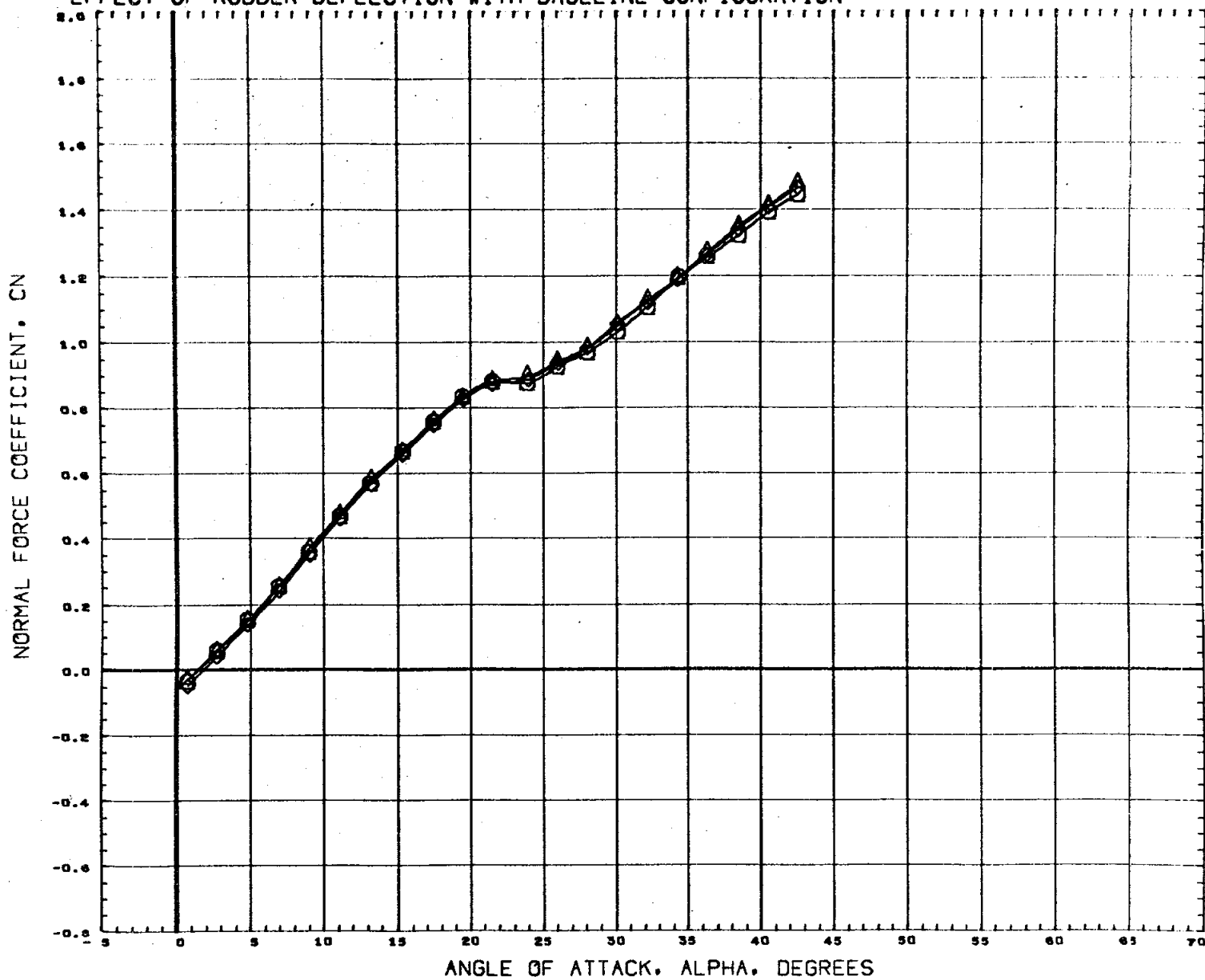
REFERENCE INFORMATION

SREF 7.4190 SQ. IN.
 LREF 2.1020 IN.
 BREF 4.0300 IN.
 XMRP 3.4530 IN.
 YMRP 0.0000 IN.
 ZMRP 0.0000 IN.
 SCALE 0.0040

MACH 4.96

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EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION

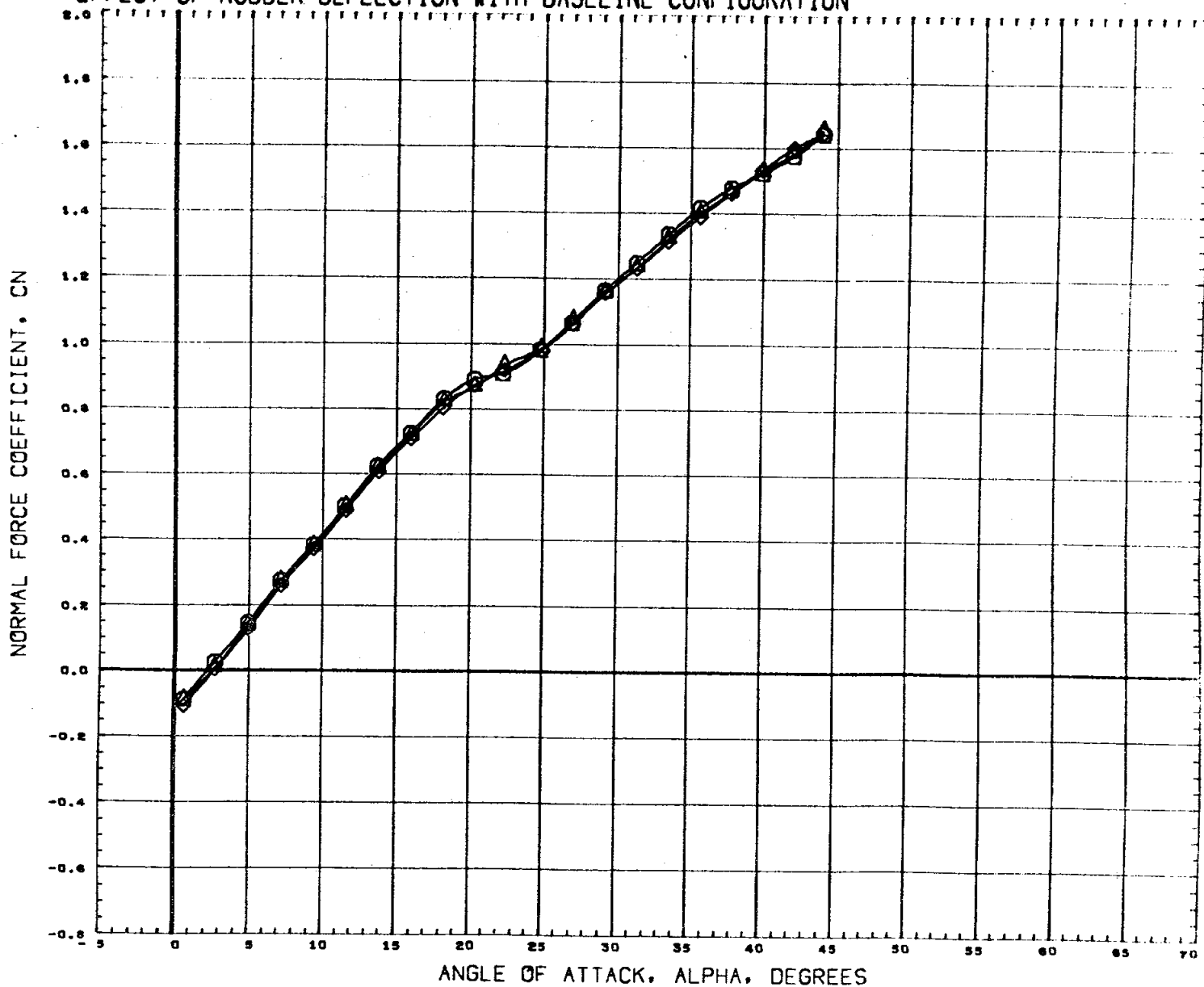


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUDFLR	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76326)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	15.000	10.000	LREF	2.1020 IN.
(C76332)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	15.000	40.000	BREF	4.0300 IN.
					XMRP	3.4530 IN.
					YMRP	0.0000 IN.
					ZMRP	0.0000 IN.
					SCALE	0.0040

MACH .59

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EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(C7630S)	○	M555 (FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
(C76528)	△	M555 (FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
(C76532)	◇	M555 (FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

BETA	RUDDER	RUOFLR
0.000	0.000	10.000
0.000	15.000	10.000
0.000	15.000	40.000

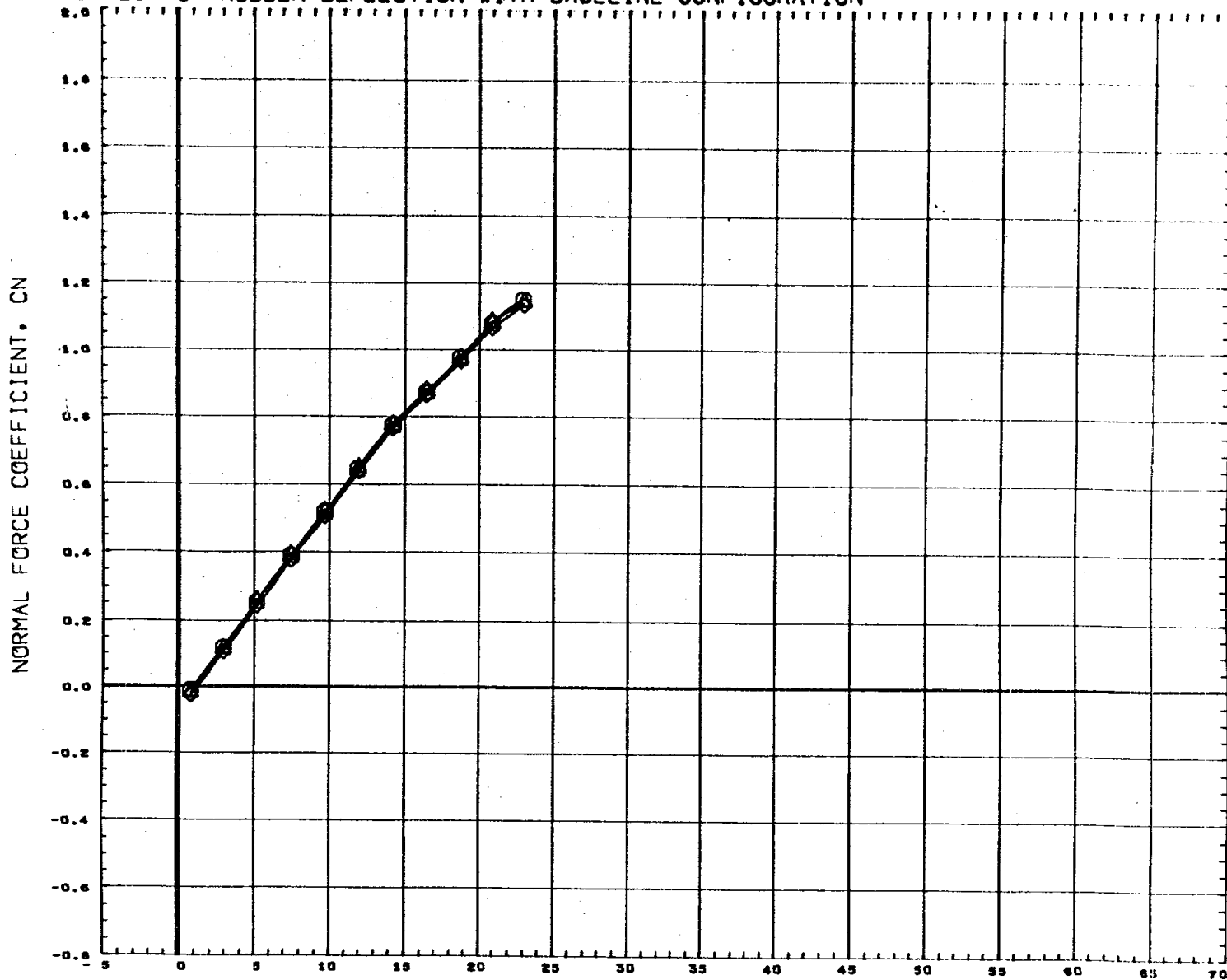
REFERENCE INFORMATION

SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH .90

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EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(C76305)	○	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
(C76528)	△	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
(C76532)	◇	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

BETA	RUDDER	RUDFLR
0.000	0.000	10.000
0.000	15.000	10.000
0.000	15.000	40.000

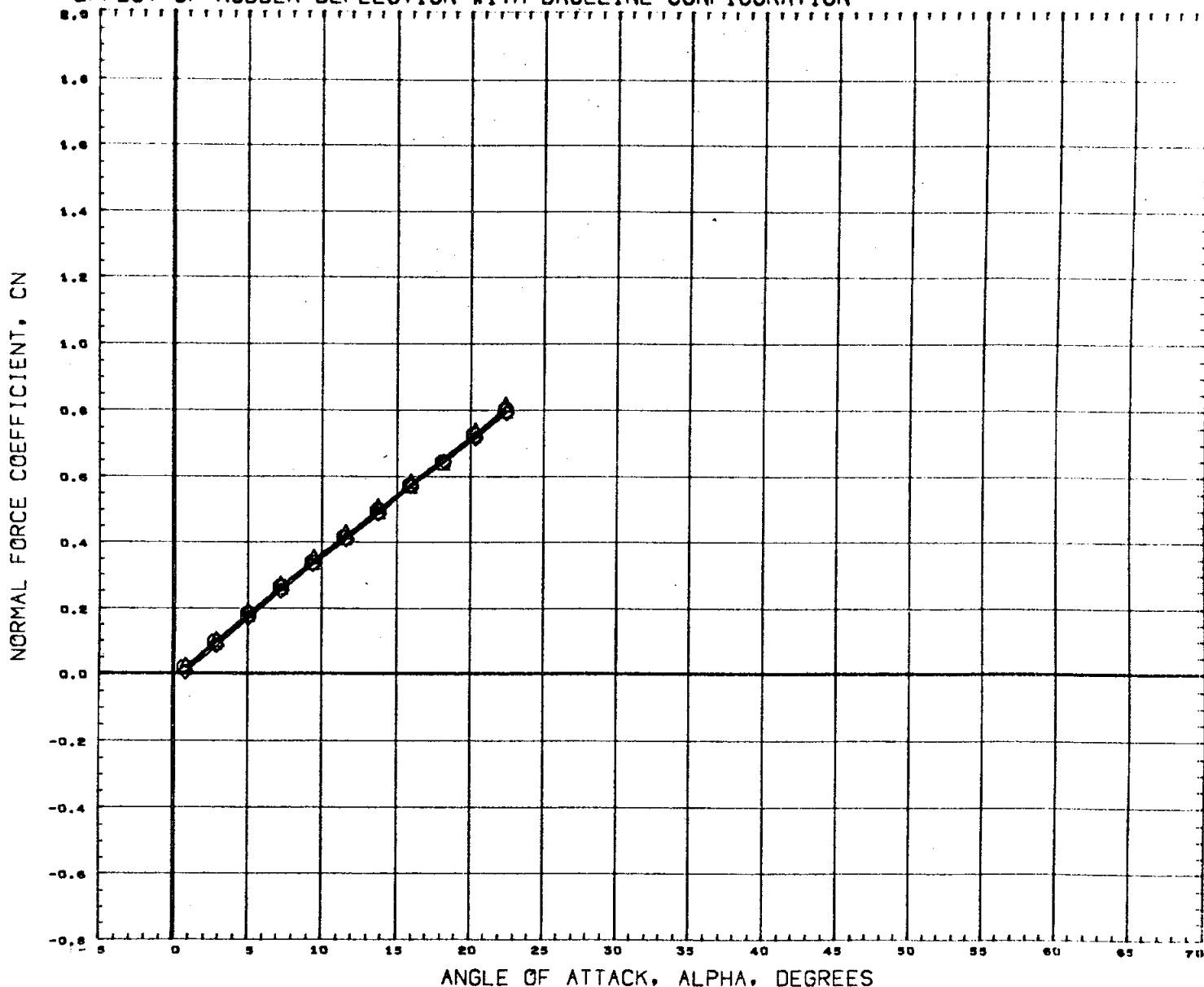
REFERENCE INFORMATION

SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 1.20

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EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(C76308)	○	M555 (FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
(C76326)	△	M555 (FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
(C76332)	◇	M555 (FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

BETA	RUDDER	RUDFLR
0.000	0.000	10.000
0.000	15.000	10.000
0.000	15.000	40.000

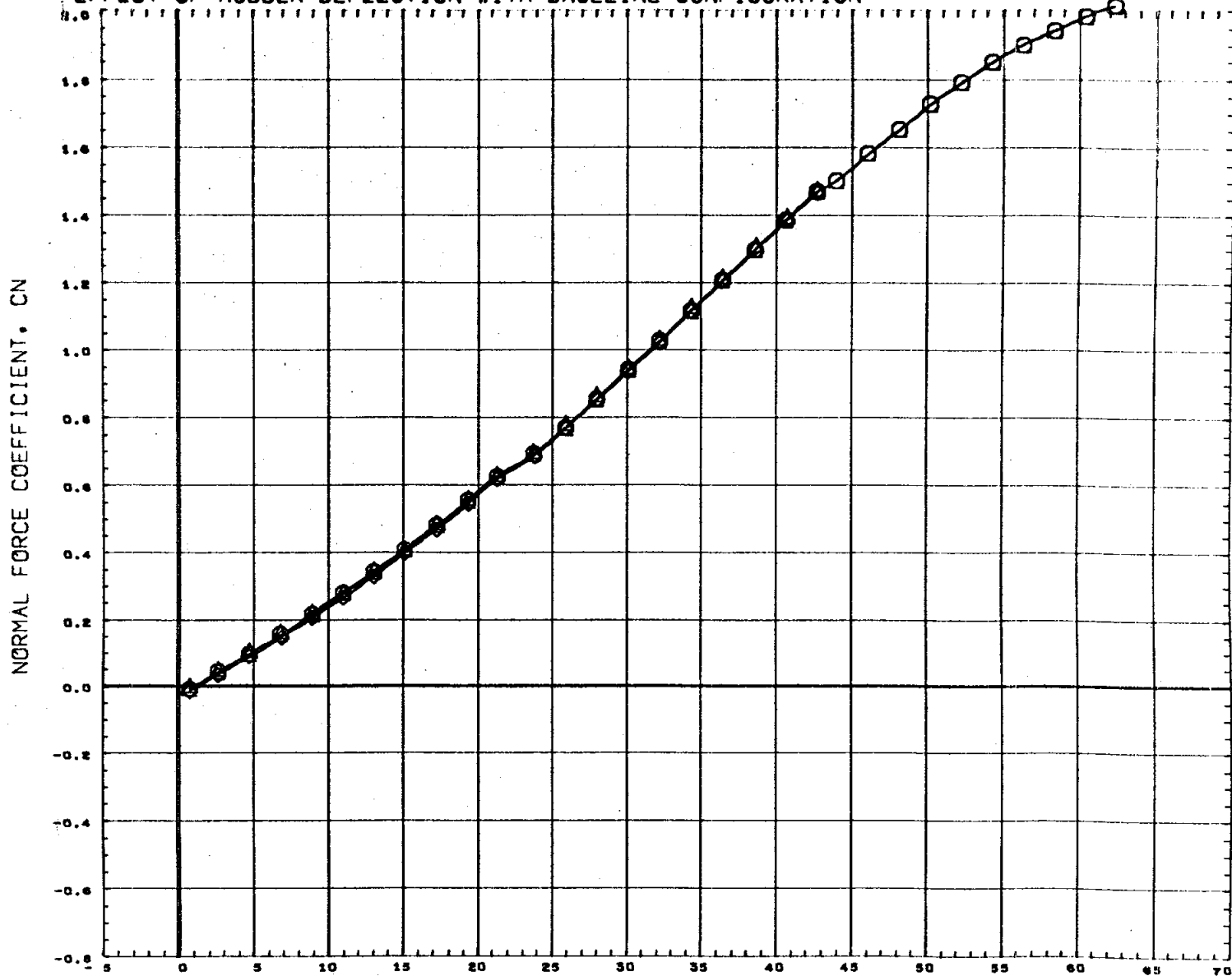
REFERENCE INFORMATION

SREF	7.4190	50. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 1.97

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EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(C76305)	○	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
(C76326)	△	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
(C76332)	◇	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

BETA RUDDER RUDFLR

0.000	0.000	10.000
0.000	15.000	10.000
0.000	15.000	40.000

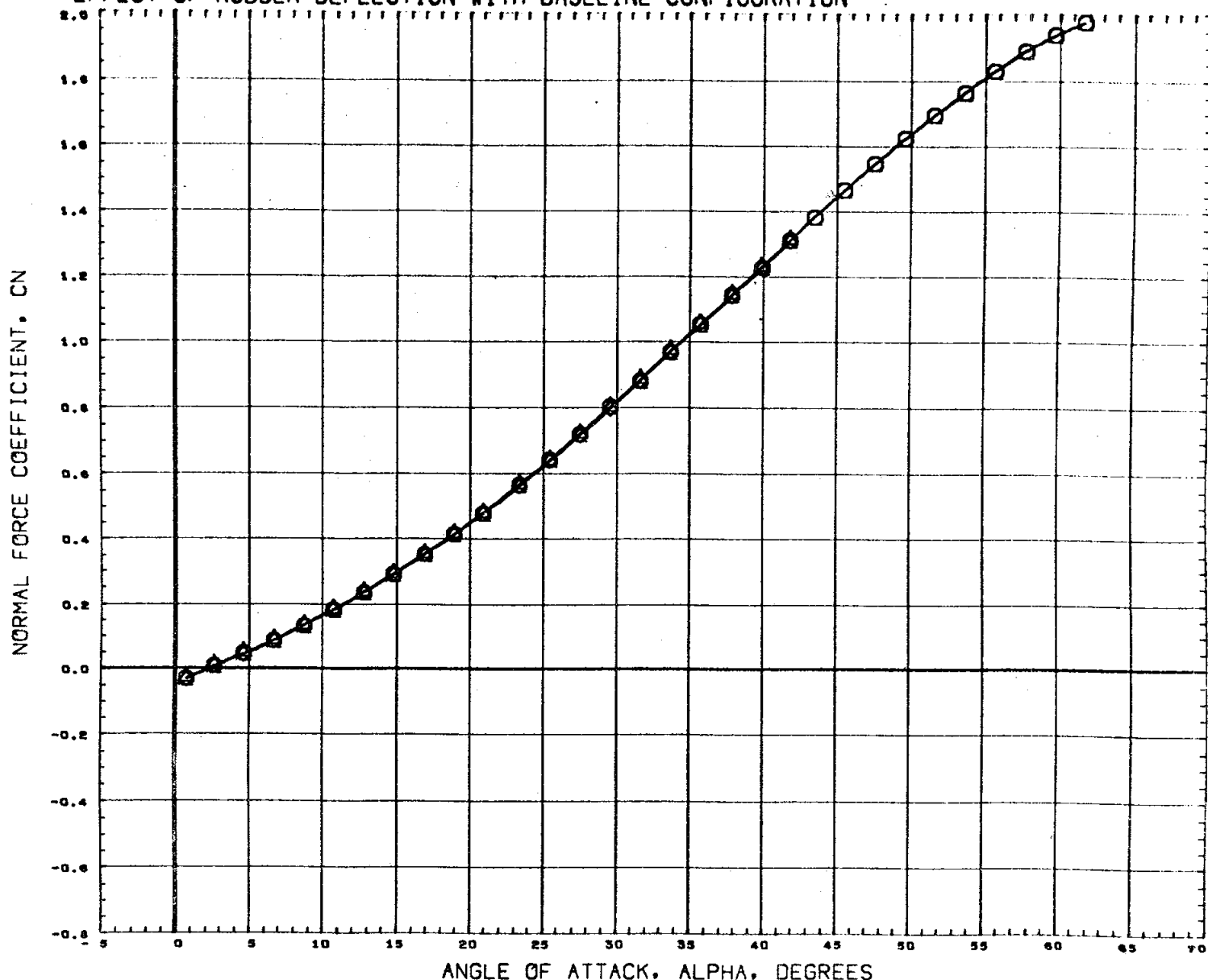
REFERENCE INFORMATION

SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 2.99

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EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION

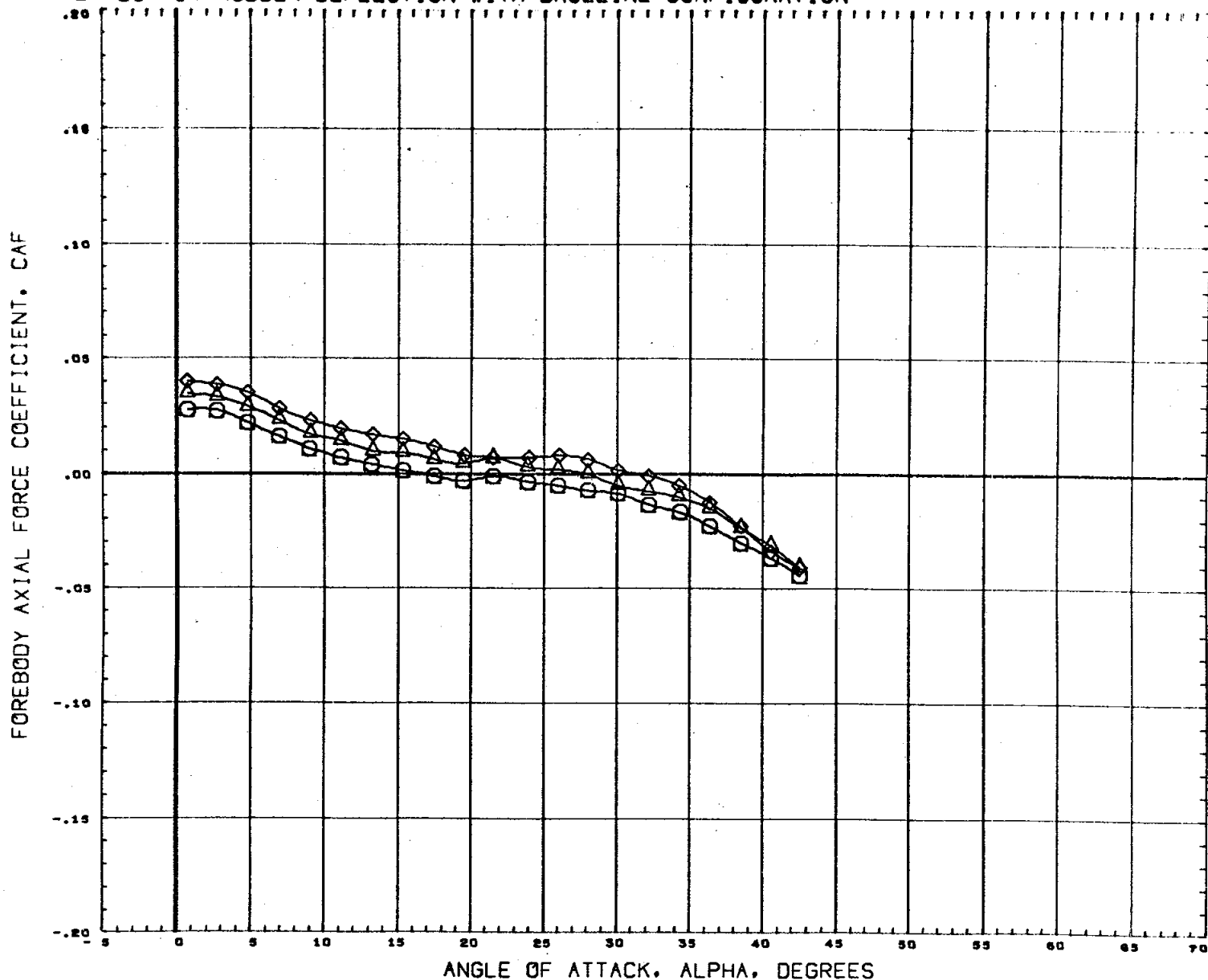


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUDDLR	REFERENCE INFORMATION
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	SREF 7.4190 SQ. IN.
(C76326)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	15.000	10.000	LREF 2.1020 IN.
(C76332)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	15.000	40.000	BREF 4.0300 IN.
					XMRP 3.4530 IN.
					YMRP 0.0000 IN.
					ZMRP 0.0000 IN.
					SCALE 0.0040

MACH 4.96

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EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
(C76328)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
(C76332)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

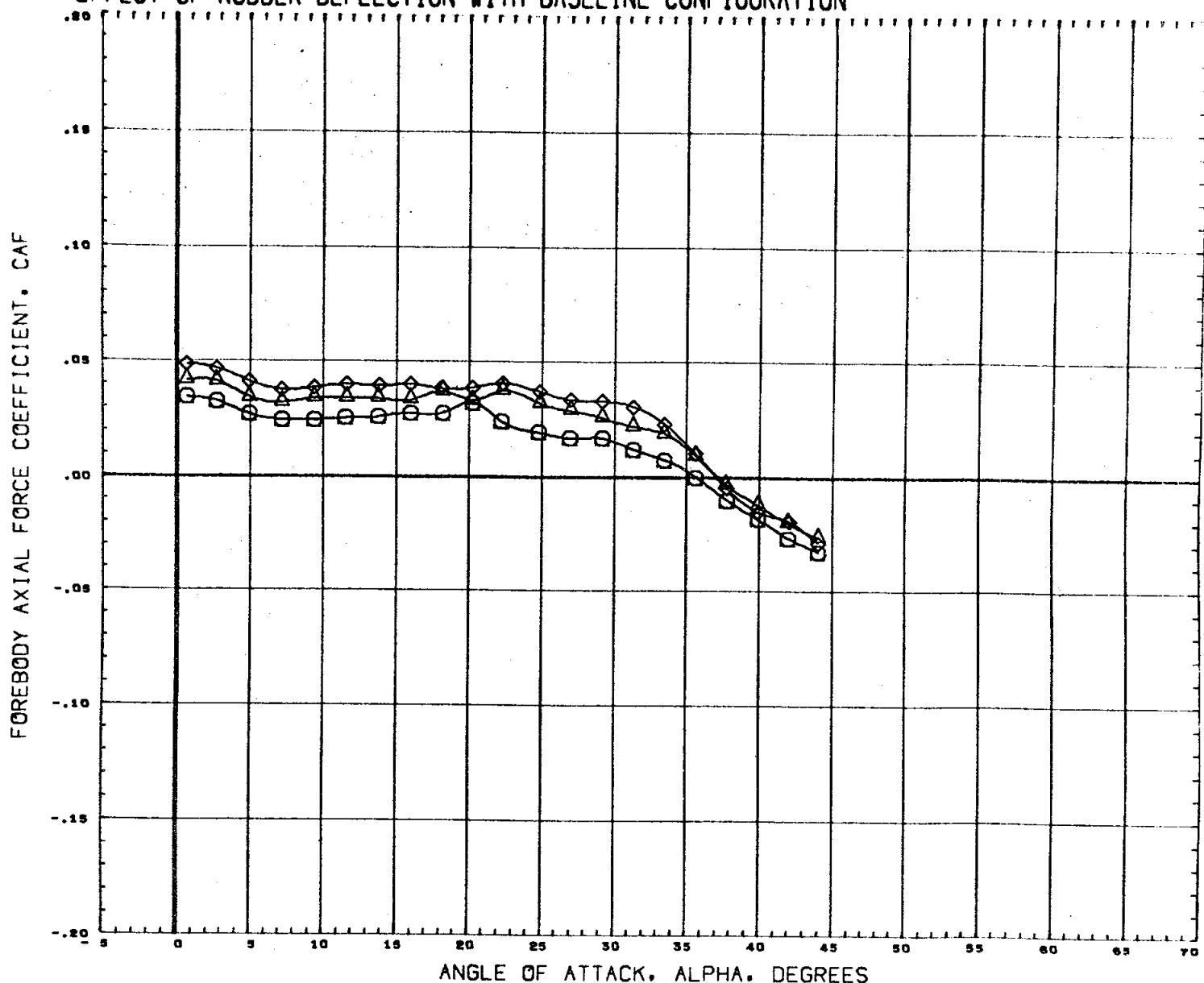
BETA	RUDDER	RUDFLR
0.000	0.000	10.000
0.000	15.000	10.000
0.000	15.000	40.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH .59

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EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(C76305)	○	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
(C76326)	△	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
(C76332)	◇	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

BETA	RUDDER	RUDFLR
0.000	0.000	10.000
0.000	15.000	10.000
0.000	15.000	40.000

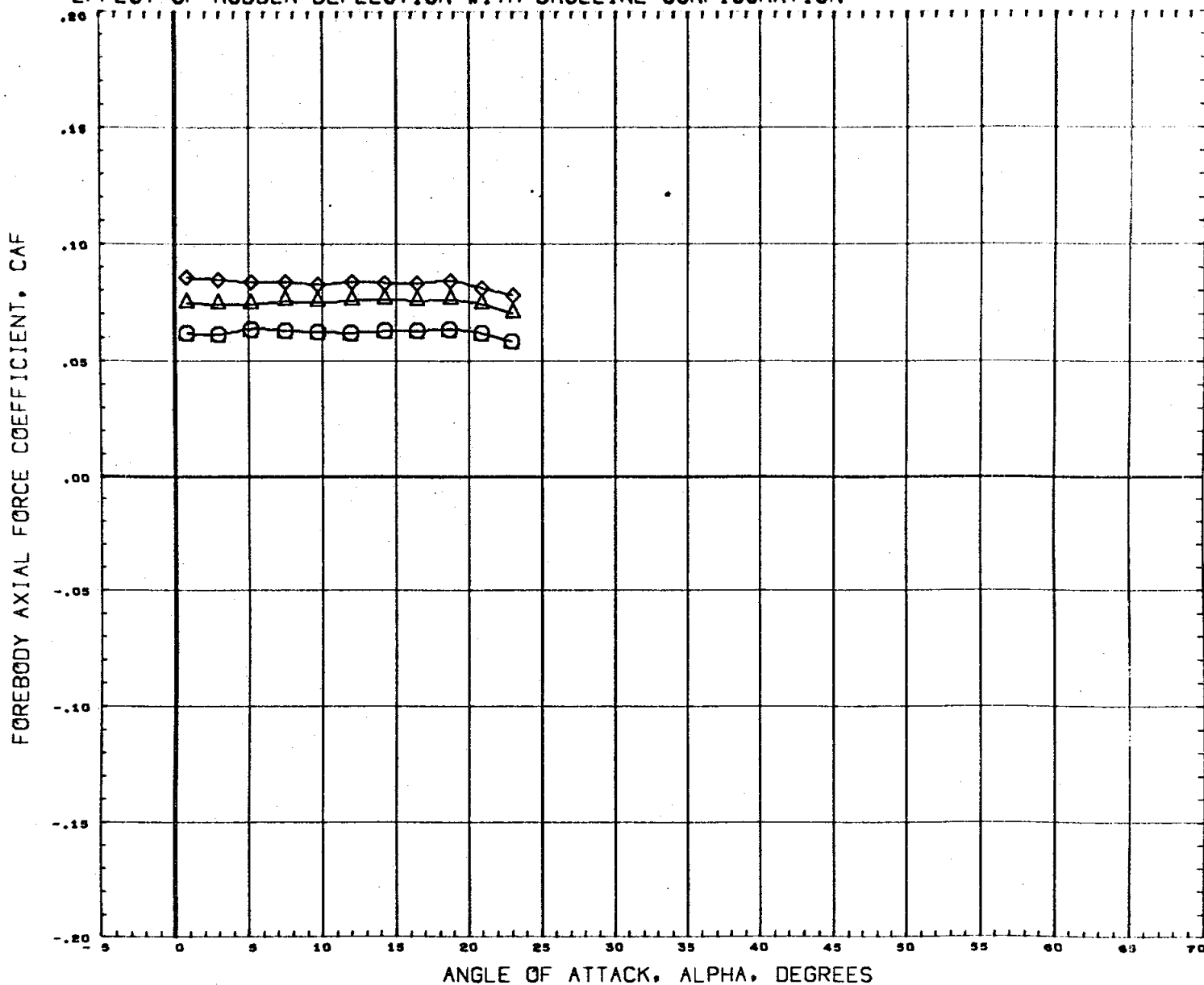
REFERENCE INFORMATION

SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH .90

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EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION

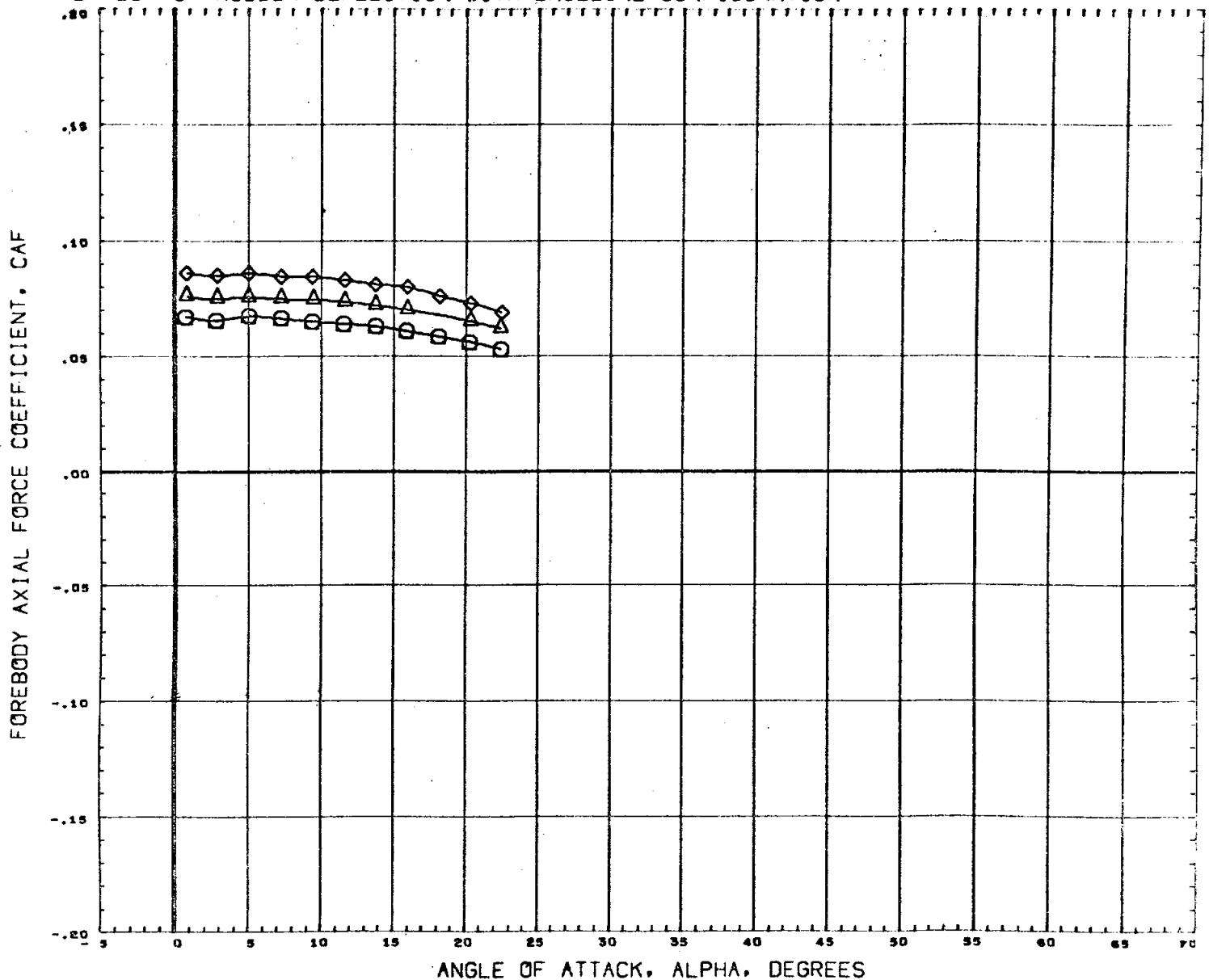


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUDFLR	REFERENCE INFORMATION	
(C76303)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76326)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	15.000	10.000	LREF	2.1020 IN.
(C76332)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	15.000	40.000	BREF	4.0300 IN.
					XMRF	3.4330 IN.
					YMRF	0.0000 IN.
					ZMRF	0.0000 IN.
					SCALE	0.0040

MACH 1.20

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EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION

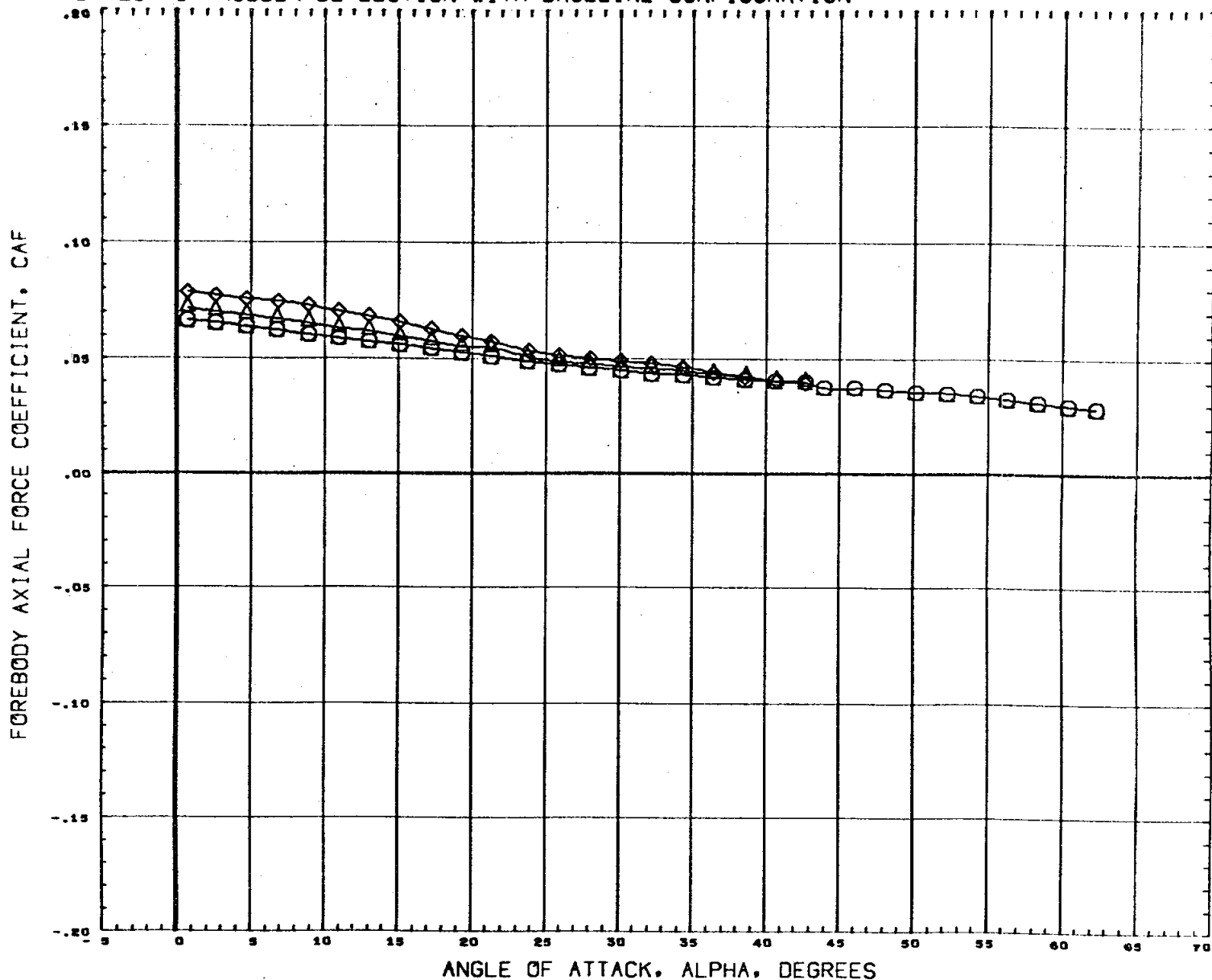


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUDFLR	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76528)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	15.000	10.000	LREF	2.1020 IN.
(C76532)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	15.000	40.000	BREF	4.0300 IN.
					XMRF	3.4530 IN.
					YMRF	0.0000 IN.
					ZMRF	0.0000 IN.
					SCALE	0.0040

MACH 1.97

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EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(C76308)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
(C76328)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
(C76332)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

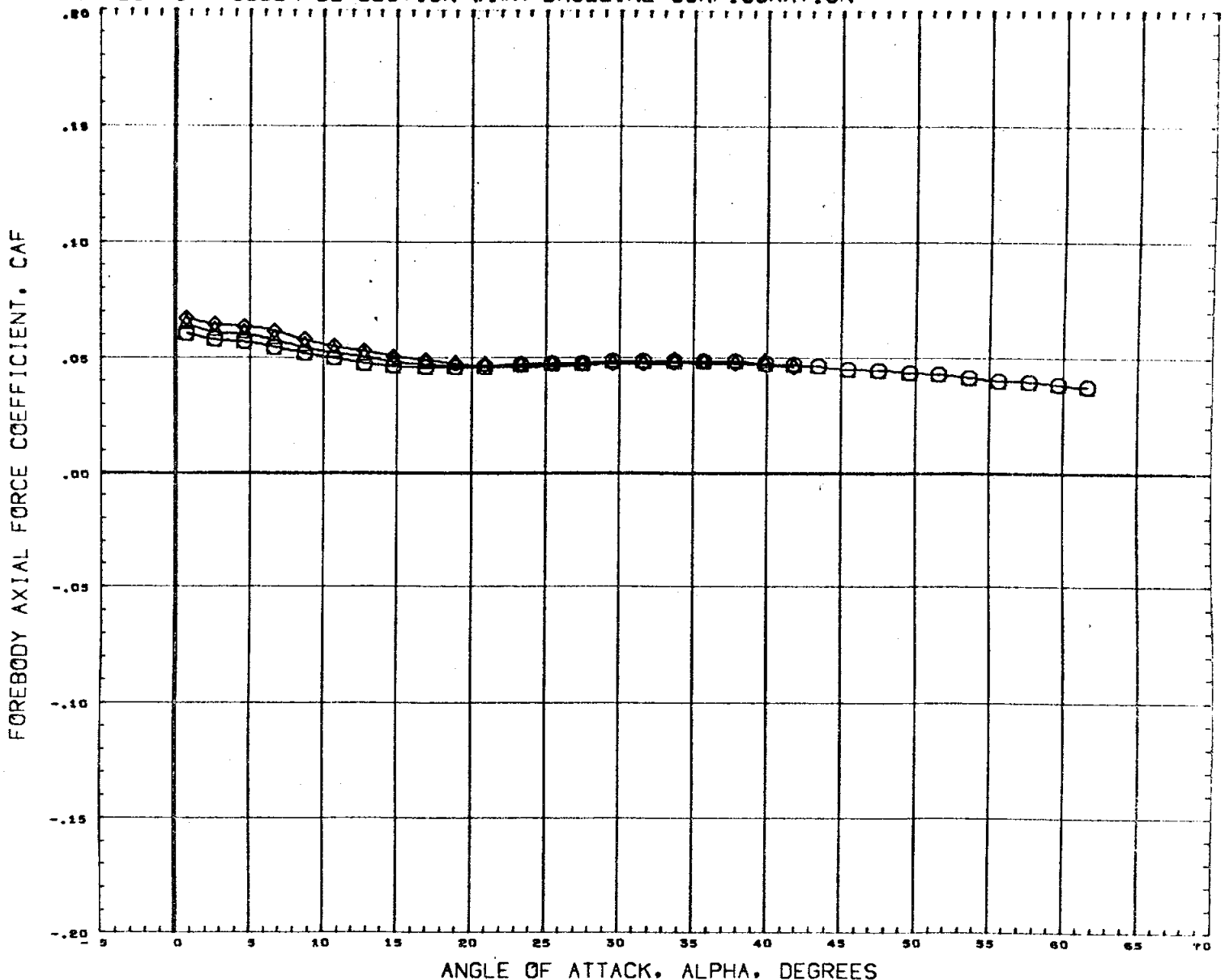
BETA	RUDDER	RUDFLR
0.000	0.000	10.000
0.000	15.000	10.000
0.000	15.000	40.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 2.99

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EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION

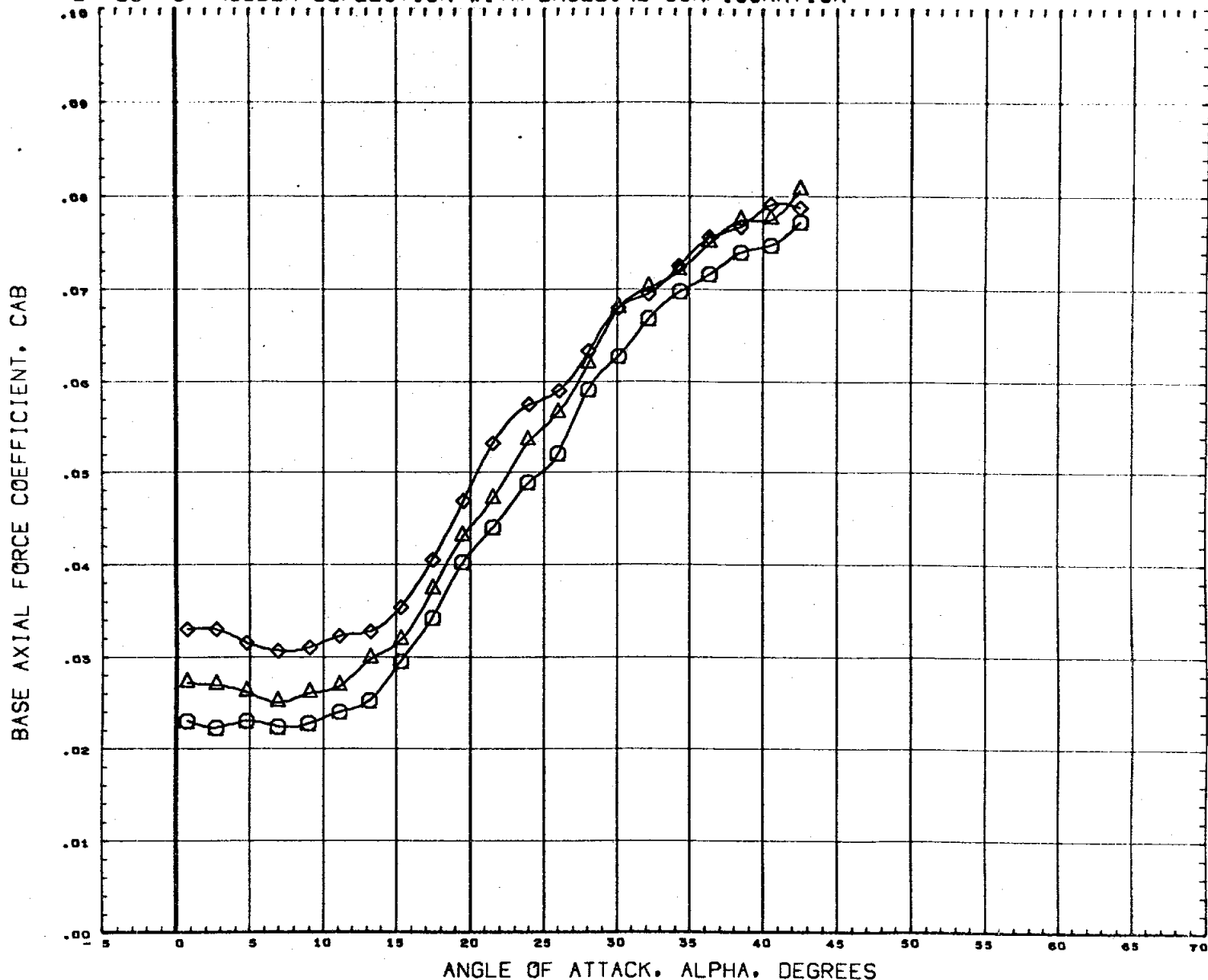


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUDFLR	REFERENCE INFORMATION	
(C76305)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	SREF	7.4190 sq. in.
(C76328)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	15.000	10.000	LREF	2.1020 in.
(C76332)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	15.000	40.000	BREF	4.0300 in.
					XMRP	3.4530 in.
					YMRP	0.0000 in.
					ZMRP	0.0000 in.
					SCALE	0.0040

MACH 4.96

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EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(C7630S)	M355 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
(C76328)	M355 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
(C76332)	M355 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

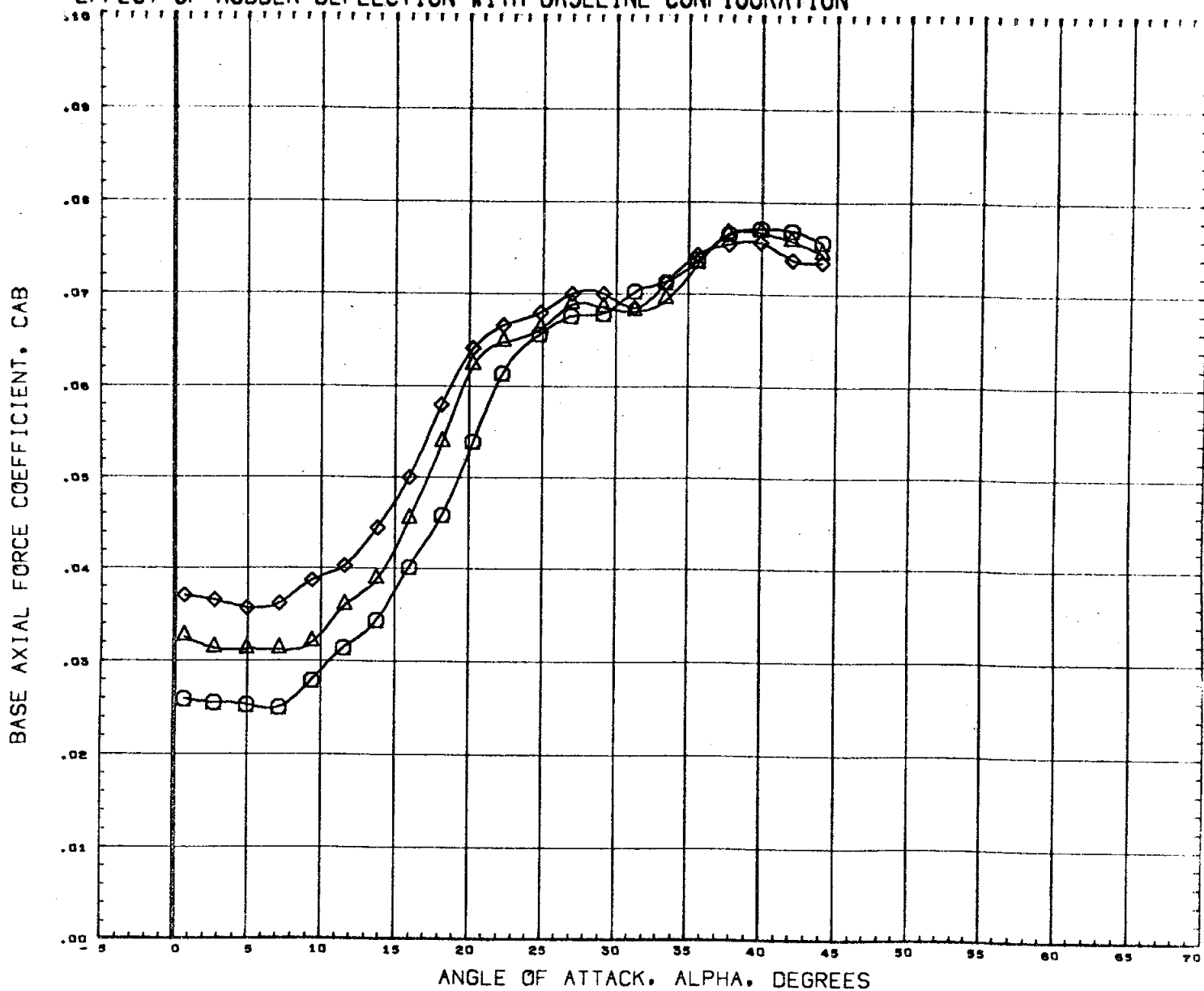
BETA	RUDDER	RUDFLR
0.000	0.000	10.000
0.000	15.000	10.000
0.000	15.000	40.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH .59

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EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
(C76528)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
(C76532)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

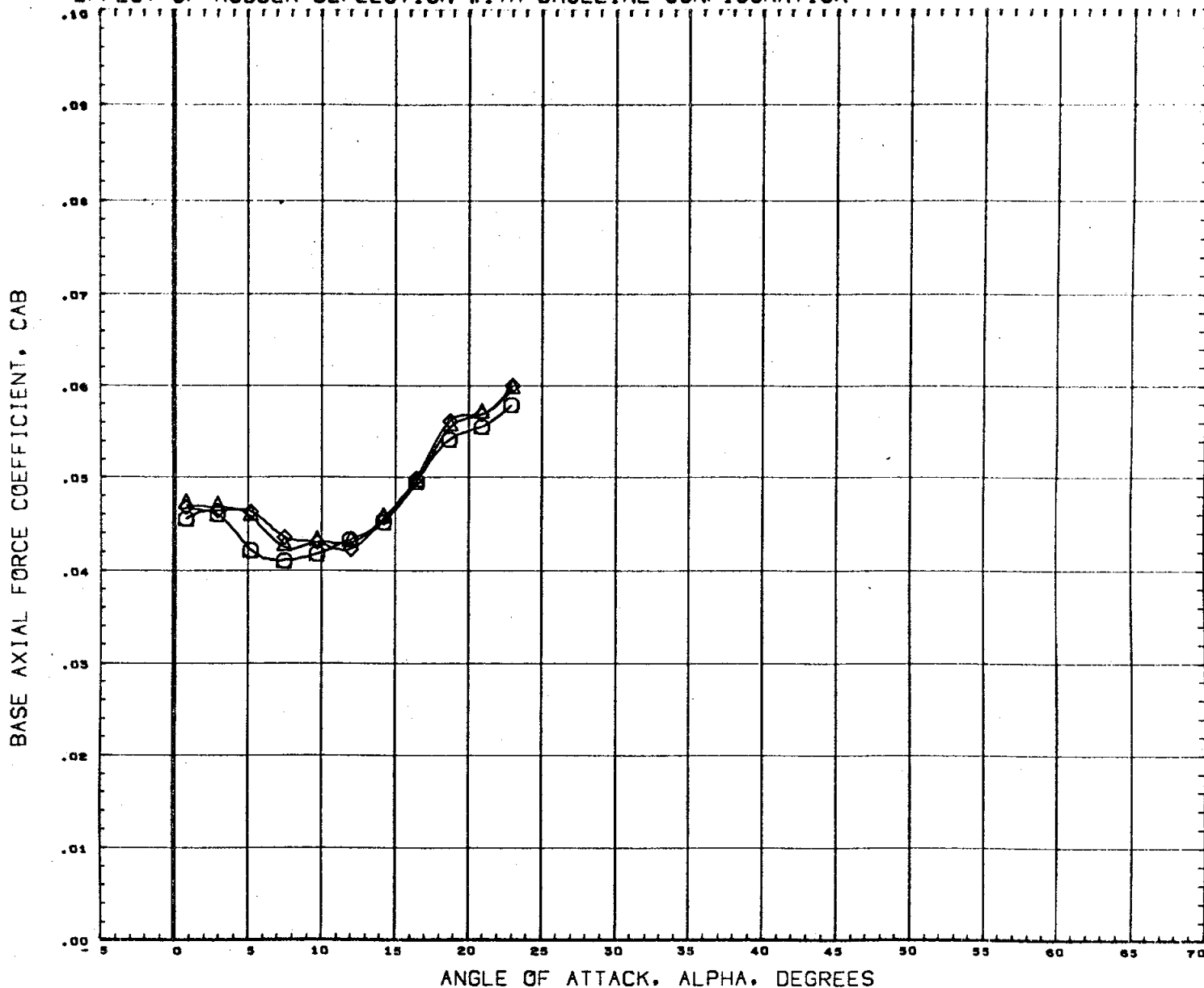
BETA	RUDDER	RUDDL
0.000	0.000	10.000
0.000	15.000	10.000
0.000	15.000	40.000

REFERENCE INFORMATION	
SREF	7.4190 SQ. IN.
LREF	2.1020 IN.
BREF	4.0300 IN.
XMRP	3.4530 IN.
YMRP	0.0000 IN.
ZMRP	0.0000 IN.
SCALE	0.0040

MACH .90

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EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION

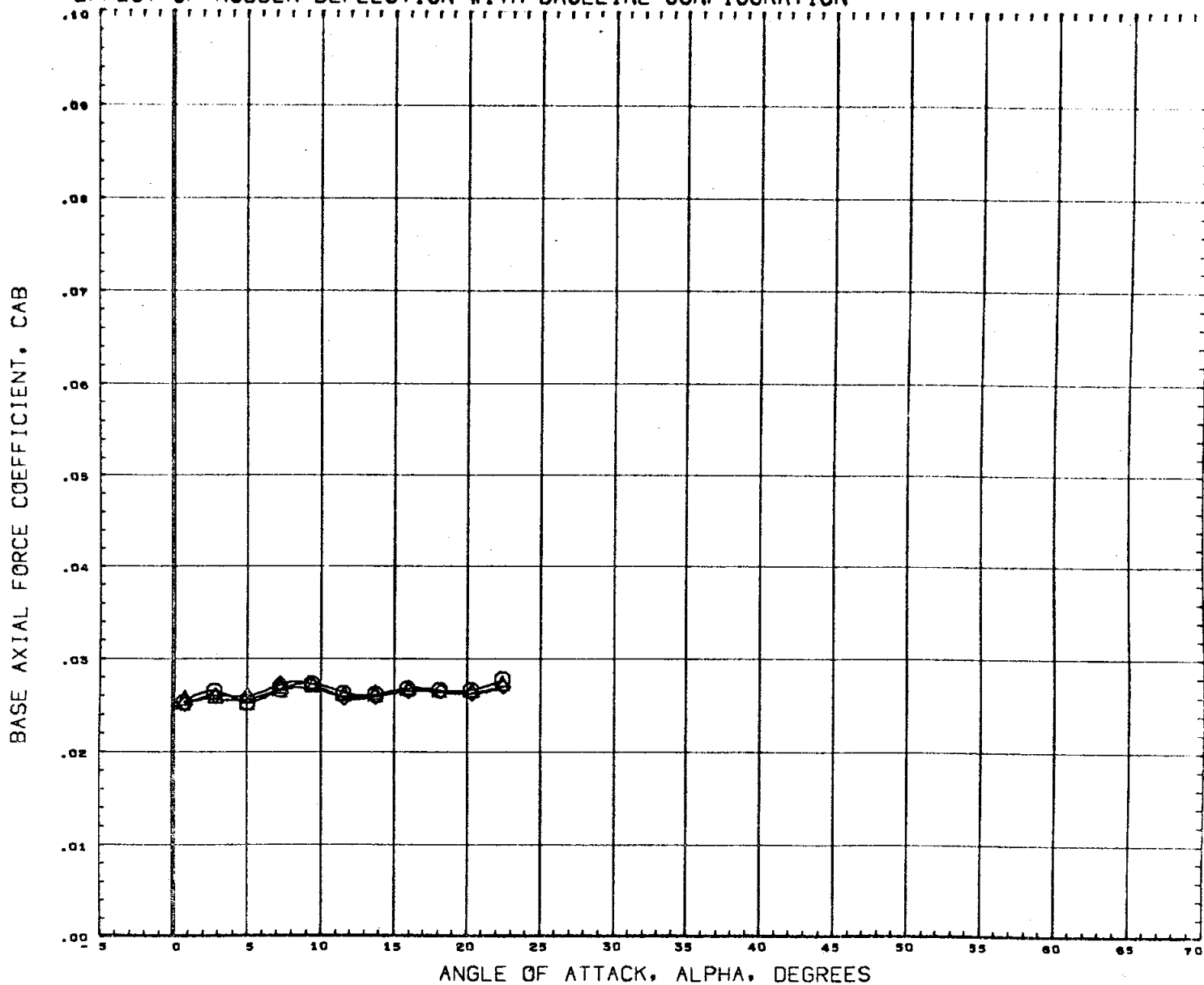


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUDFLR	REFERENCE INFORMATION	
(C7650S)	M555 (FA3) NAR ATP ORB (81C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76528)	M555 (FA3) NAR ATP ORB (81C1D1F1M1) (W1E1) (V1K1R1)	0.000	15.000	10.000	LREF	2.1020 IN.
(C76532)	M555 (FA3) NAR ATP ORB (81C1D1F1M1) (W1E1) (V1K1R1)	0.000	15.000	40.000	SREF	4.0300 IN.
					XMRP	3.4530 IN.
					YMRP	0.0000 IN.
					ZMRP	0.0000 IN.
					SCALE	0.0040

MACH 1.20

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EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION



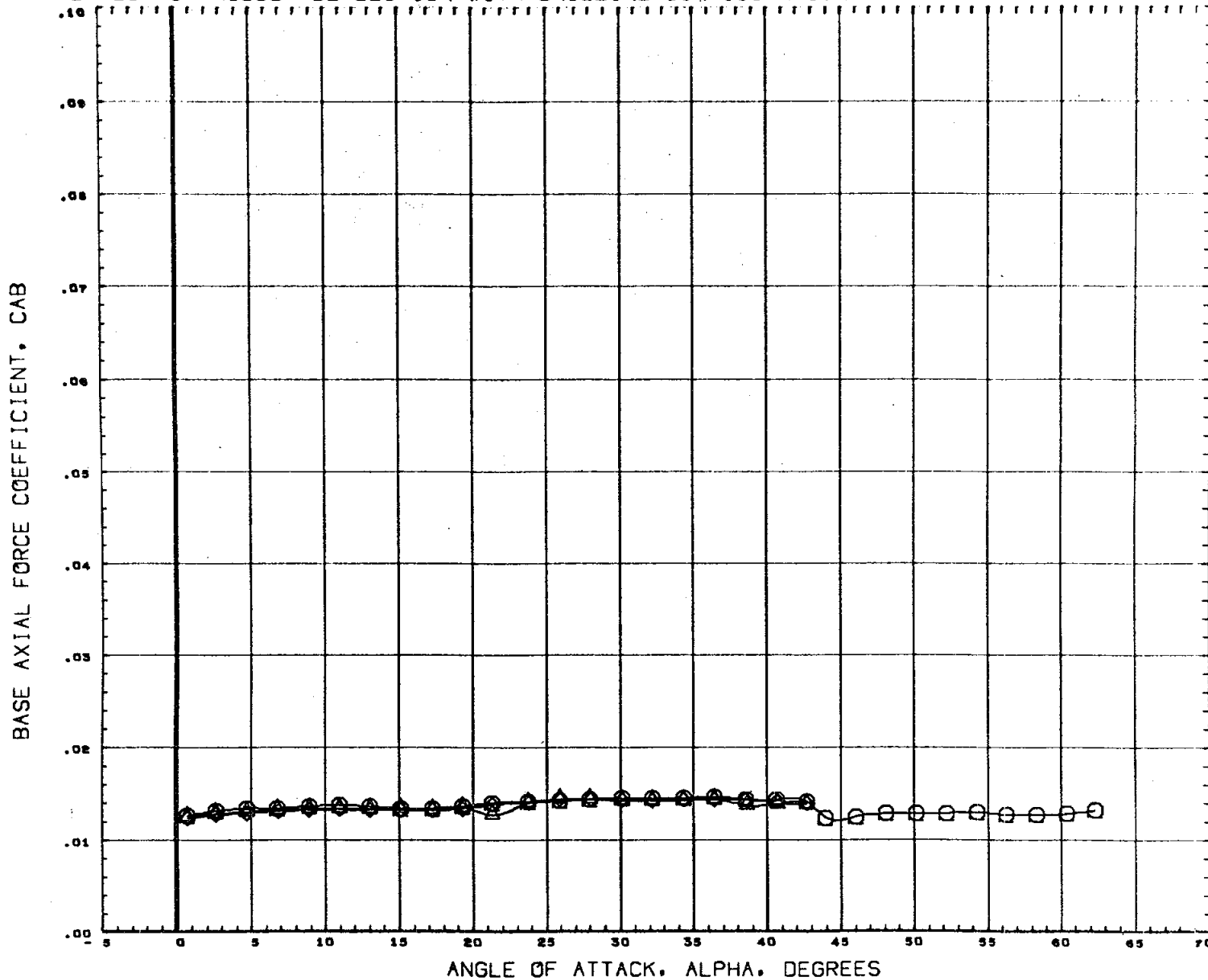
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUDFLR	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	SREF	7.4190 sq. in.
(C76328)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	15.000	10.000	LREF	2.1020 in.
(C76332)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	15.000	40.000	BREF	4.0300 in.
					XMRP	3.4530 in.
					YMRP	0.0000 in.
					ZMRP	0.0000 in.
					SCALE	0.0040

MACH

1.97

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EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION

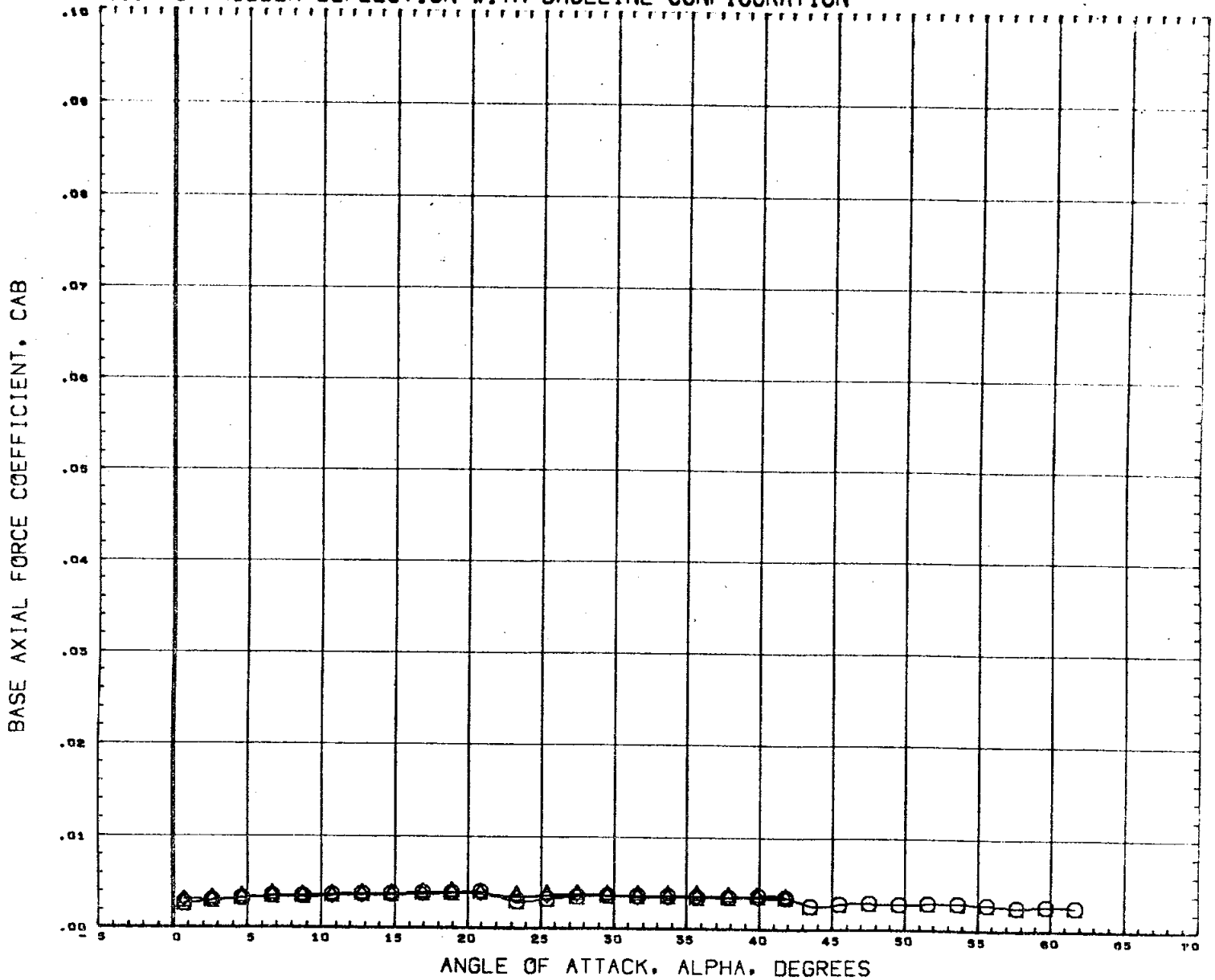


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUOFLR	REFERENCE INFORMATION	
(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	SREF	7.4190 sq. in.
(C76328)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	15.000	10.000	LREF	2.1020 in.
(C76332)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	15.000	40.000	BREF	4.0300 in.
					XMRP	3.4530 in.
					YMRP	0.0000 in.
					ZMRP	0.0000 in.
					SCALE	0.0040

MACH 2.99

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EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(C76305)	○	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
(C76320)	△	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
(C76332)	◇	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

BETA	RUDDER	RUDFLR
0.000	0.000	10.000
0.000	15.000	10.000
0.000	15.000	40.000

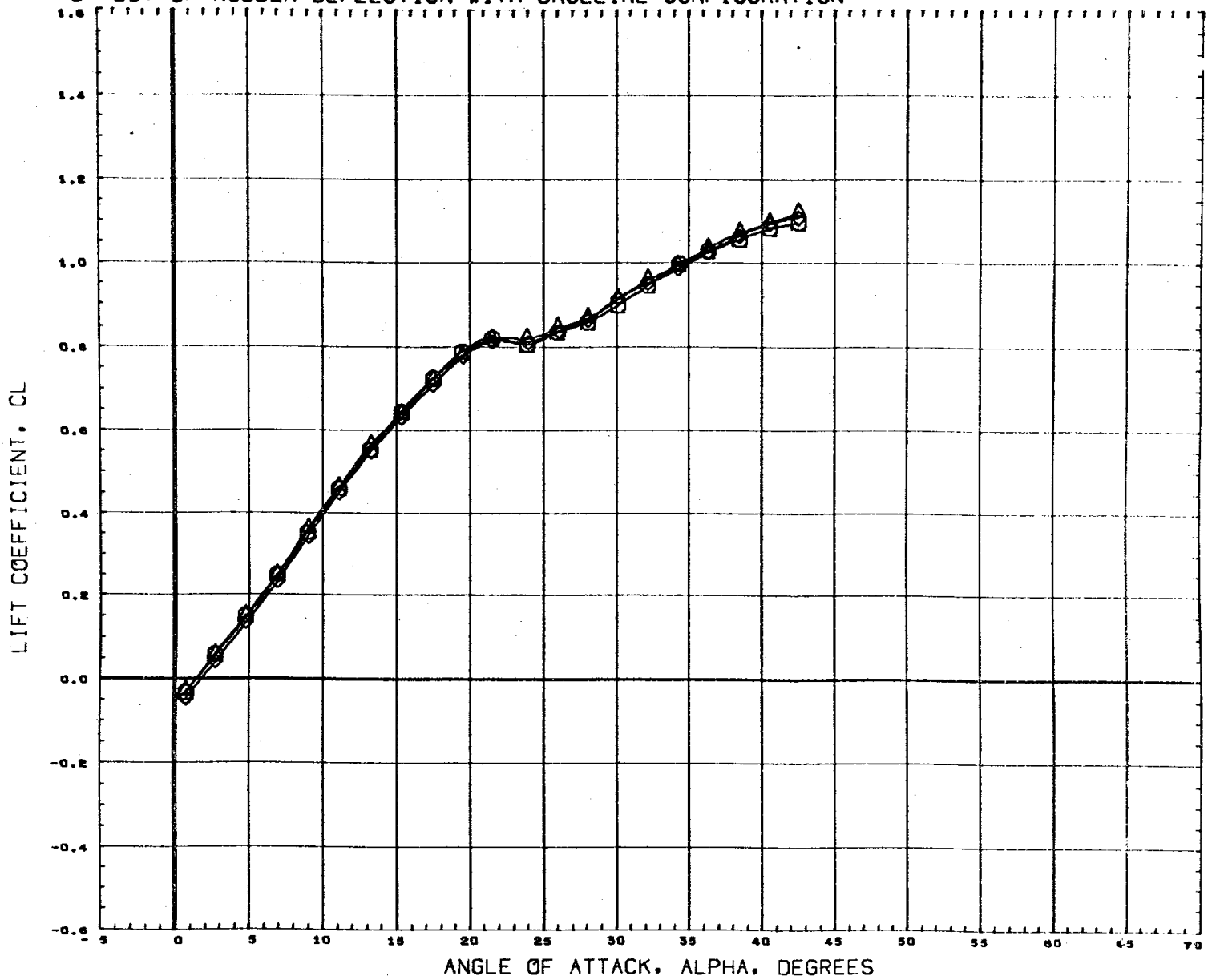
REFERENCE INFORMATION

SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 4.96

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EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION

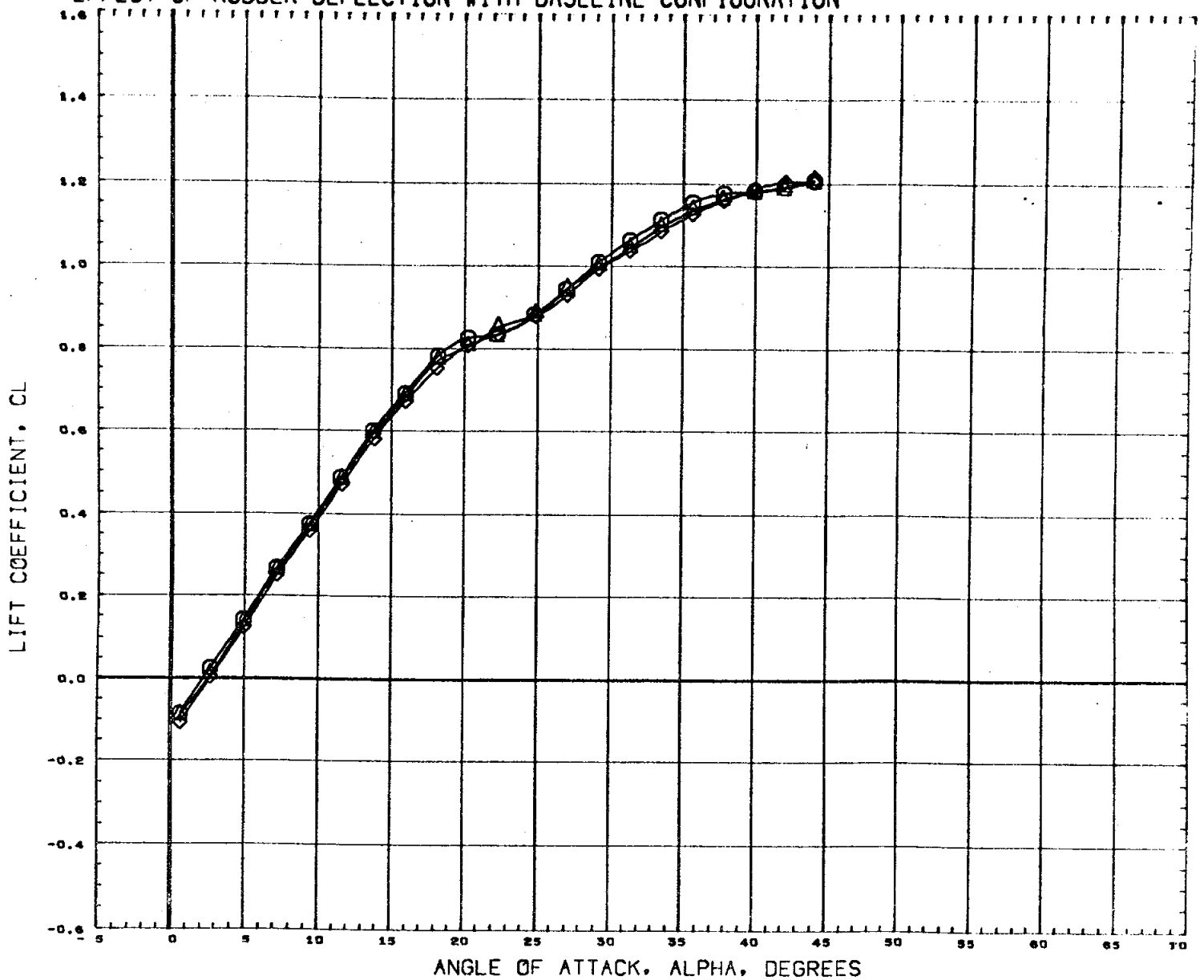


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUDFLR	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76528)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	15.000	10.000	LREF	2.1020 IN.
(C76532)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	15.000	40.000	BREF	4.0300 IN.
					XMRP	3.4530 IN.
					YMRP	0.0000 IN.
					ZMRP	0.0000 IN.
					SCALE	0.0040

MACH .59

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EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION



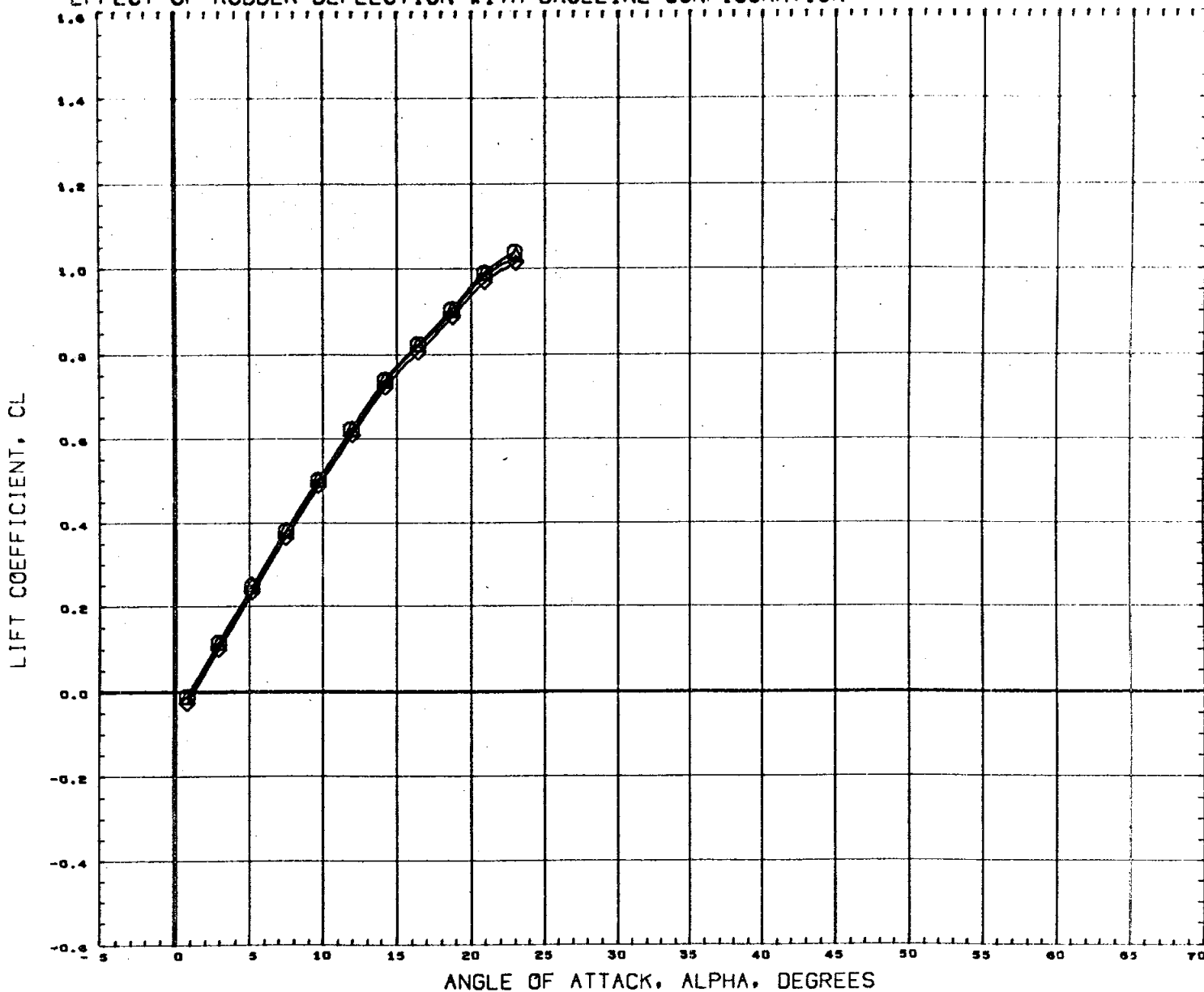
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUDFLR
(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000
(C76528)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	15.000	10.000
(C76532)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	15.000	40.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH .90

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EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
(C76328)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
(C76332)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

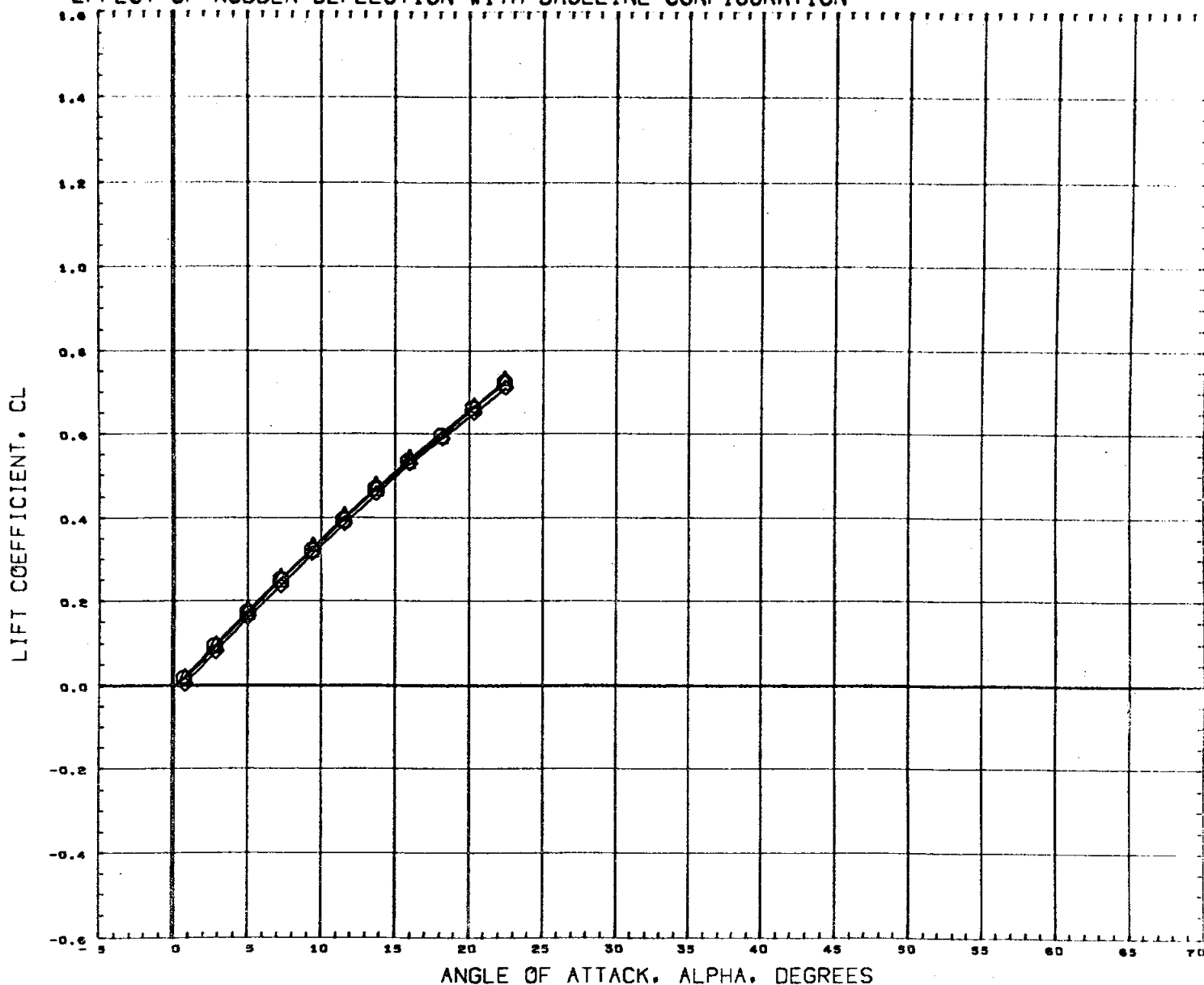
BETA	RUDDER	RUDFLR
0.000	0.000	10.000
0.000	15.000	10.000
0.000	15.000	40.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 1.20

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EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION

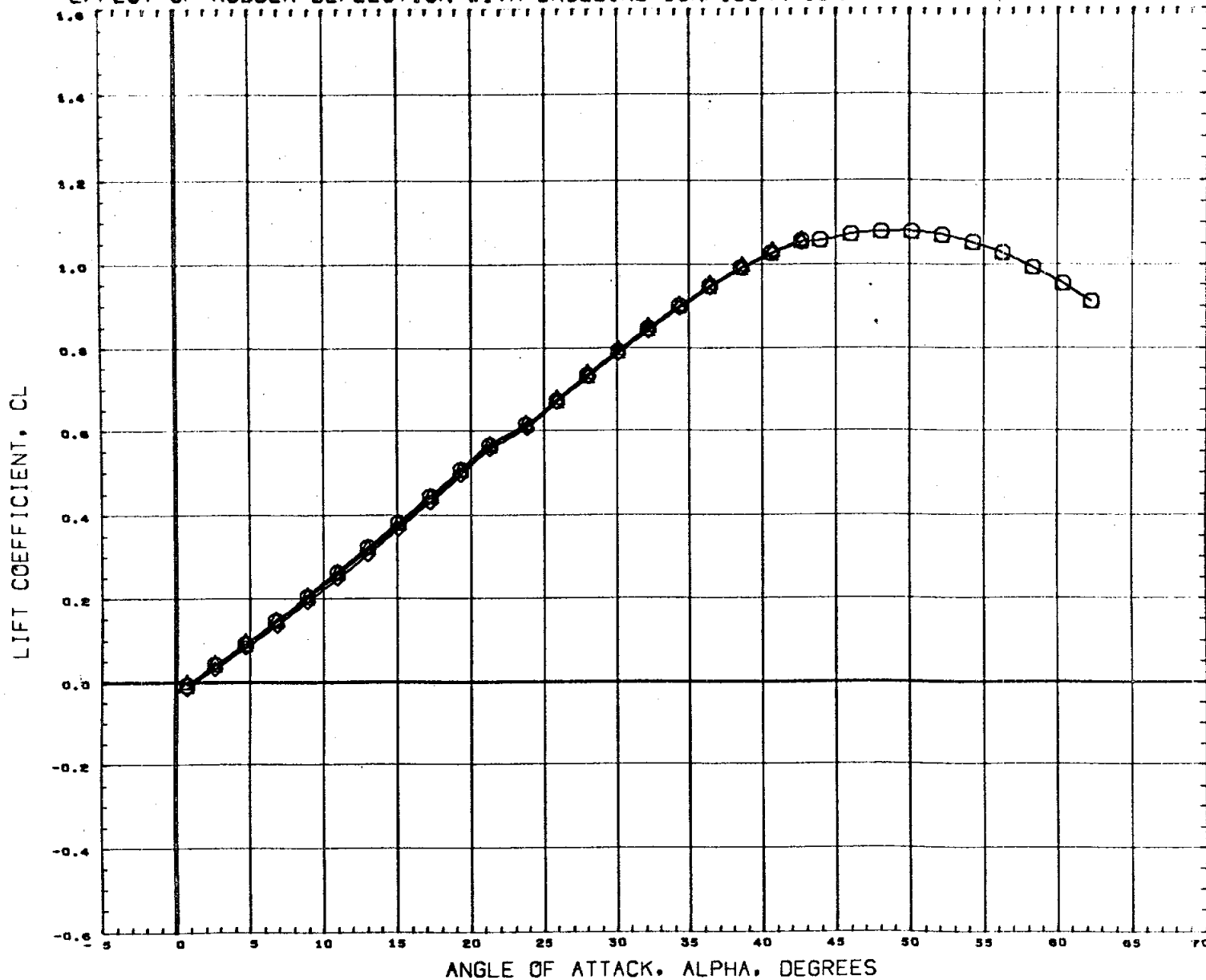


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUDFLR	REFERENCE INFORMATION	
(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1H1) (W1E1) (V1K1R1)	0.000	0.000	10.000	SREF	7.4100 SQ. IN.
(C76328)	M555 (FA3) NAR ATP ORB (B1C1D1F1H1) (W1E1) (V1K1R1)	0.000	15.000	10.000	LREF	2.1020 IN.
(C76332)	M555 (FA3) NAR ATP ORB (B1C1D1F1H1) (W1E1) (V1K1R1)	0.000	15.000	40.000	BREF	4.0300 IN.
					XMRP	3.4530 IN.
					YMRP	0.0000 IN.
					ZMRP	0.0000 IN.
					SCALE	0.0040

MACH 1.97

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EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(C76303)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
(C76326)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
(C76332)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

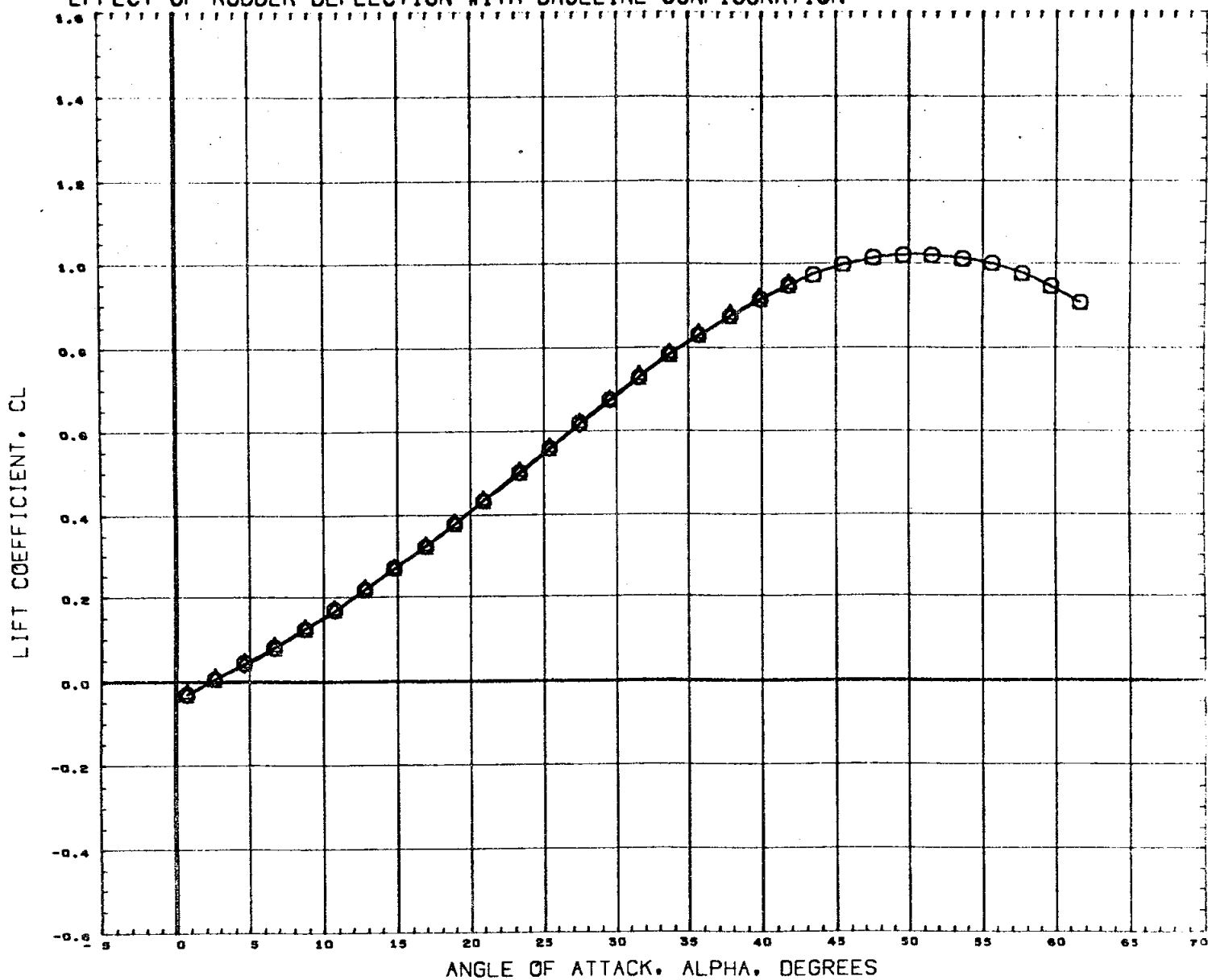
BETA	RUDDER	RUDFLR
0.000	0.000	10.000
0.000	15.000	10.000
0.000	15.000	40.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 2.99

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EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION

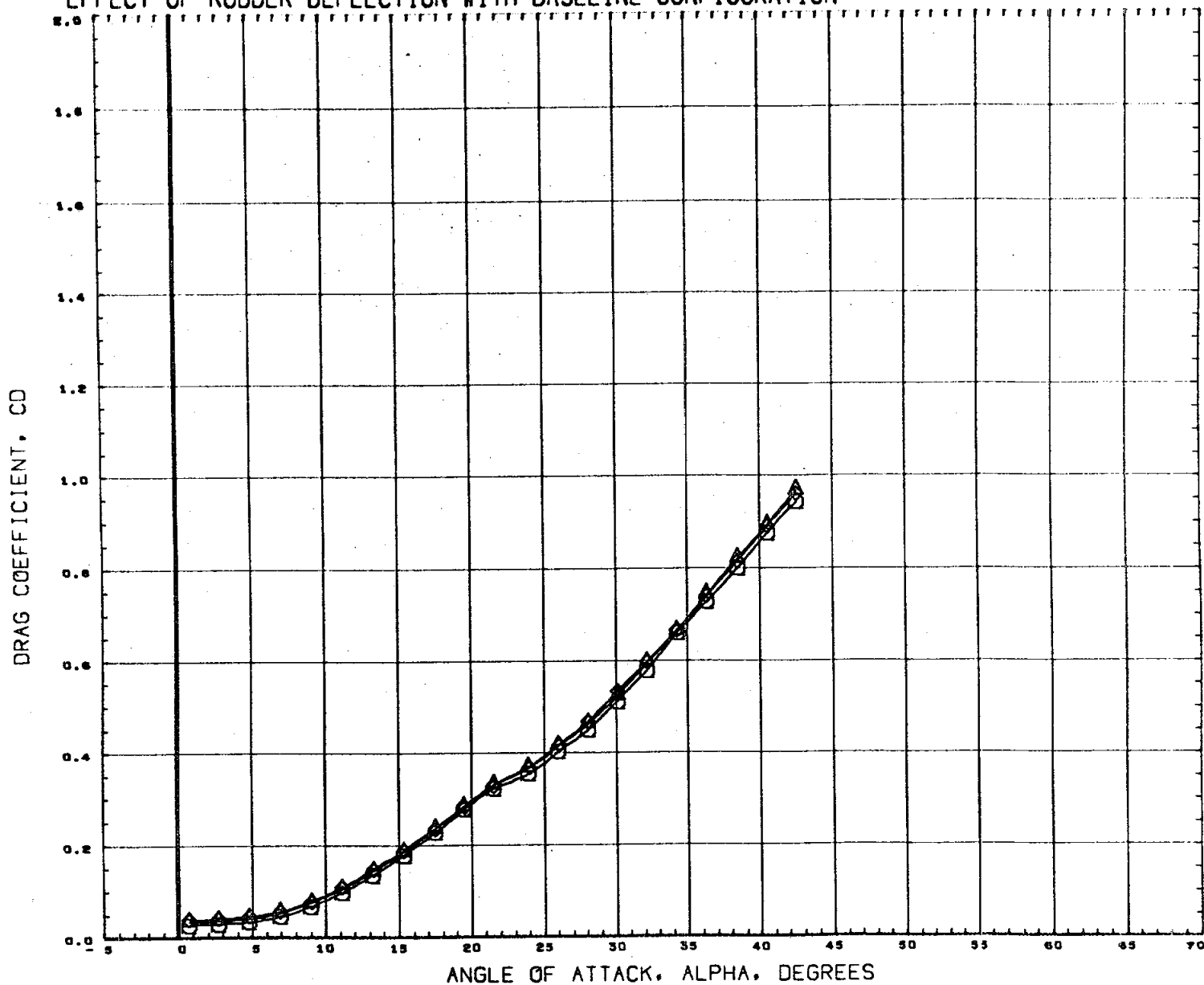


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUDDL	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76326)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	15.000	10.000	LREF	2.1020 IN.
(C76332)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	15.000	40.000	BREF	4.0300 IN.
					XMRP	3.4530 IN.
					YMRP	0.0000 IN.
					ZMRP	0.0000 IN.
					SCALE	0.0040

MACH 4.96

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EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(C76303)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
(C76326)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
(C76532)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

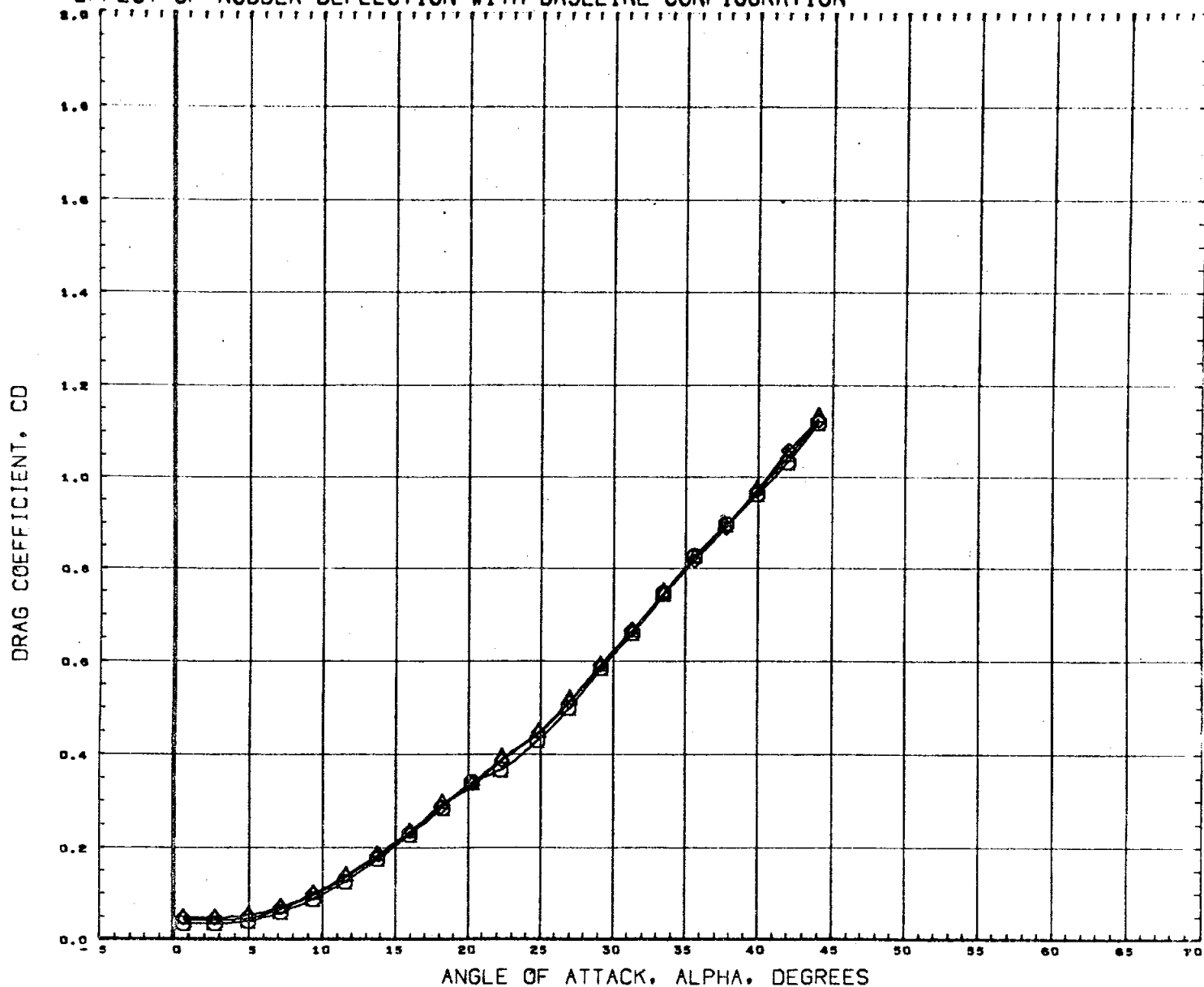
BETA	RUDDER	RUDFLR
0.000	0.000	10.000
0.000	15.000	10.000
0.000	15.000	40.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRF	3.4530	IN.
YMRF	0.0000	IN.
ZMRF	0.0000	IN.
SCALE	0.0040	

MACH .59

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EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(C76305) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
 (C76328) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
 (C76332) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

BETA	RUDDER	RUDFLR
0.000	0.000	10.000
0.000	15.000	10.000
0.000	15.000	40.000

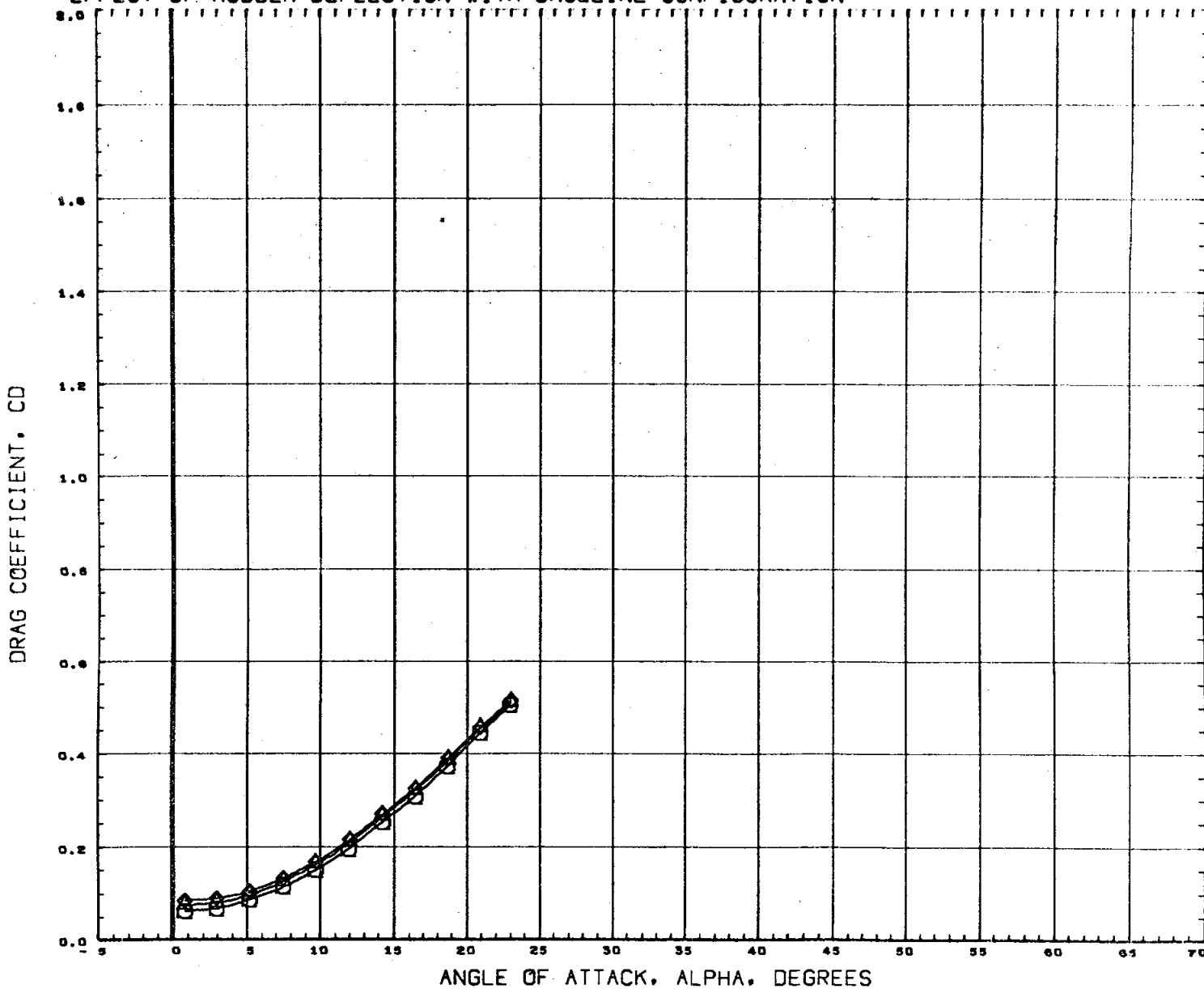
REFERENCE INFORMATION

SREF	7.4190	53.1N.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH .90

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EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
(C76328)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
(C76332)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

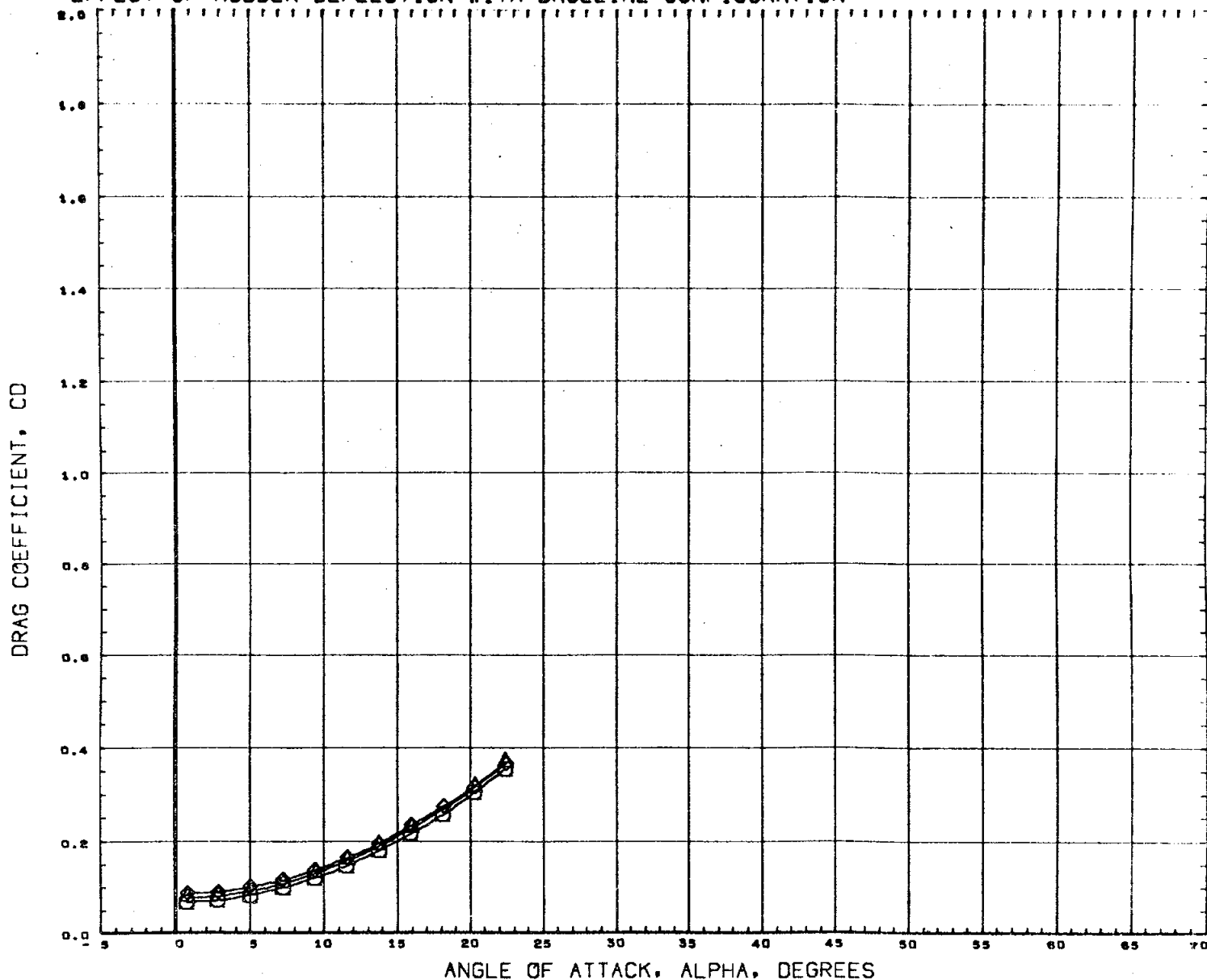
BETA	RUDDER	RUDFLR
0.000	0.000	10.000
0.000	15.000	10.000
0.000	15.000	40.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRF	3.4530	IN.
YMRF	0.0000	IN.
ZMRF	0.0000	IN.
SCALE	0.0040	

MACH 1.20

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EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION

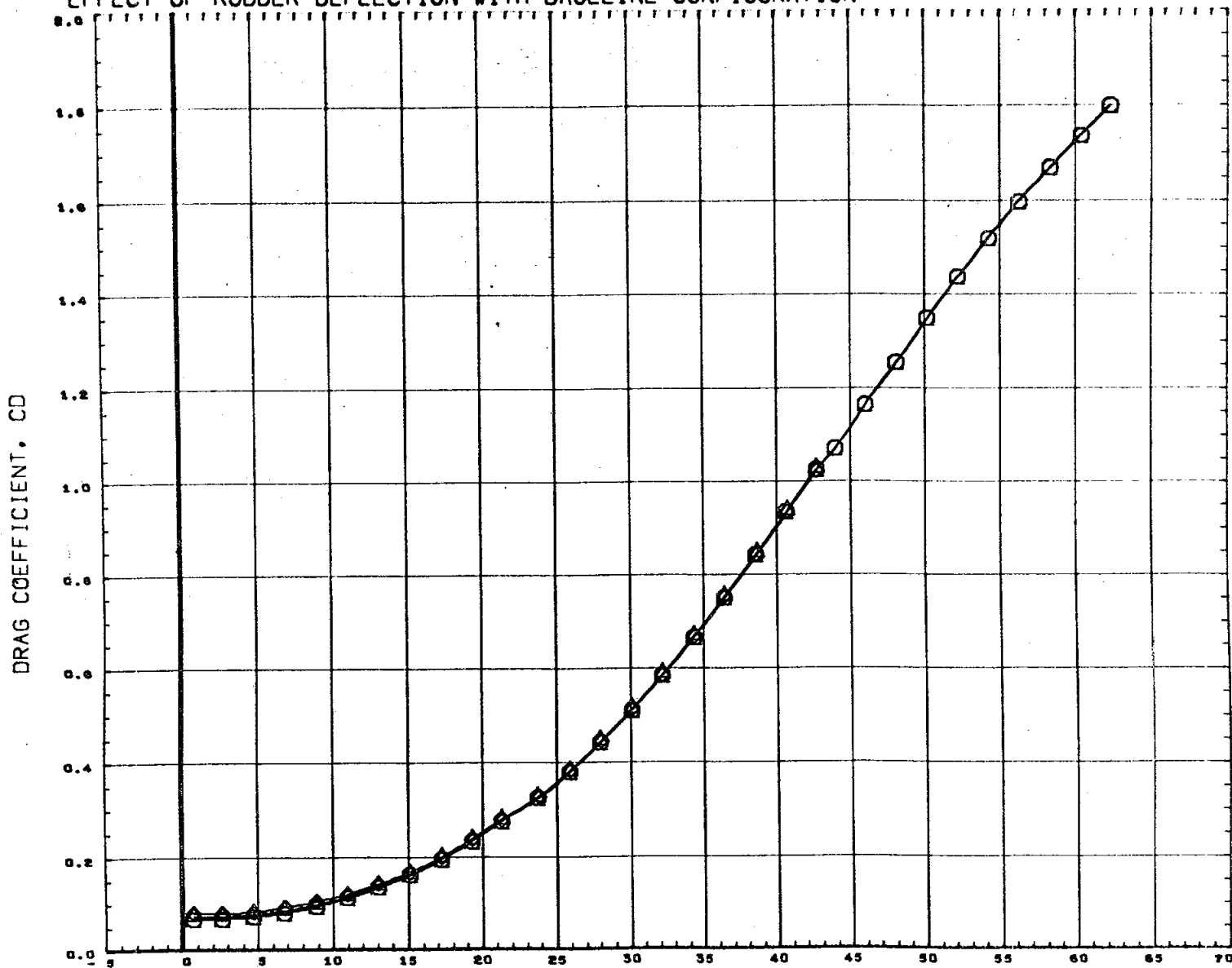


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUDFLR	REFERENCE INFORMATION	
(C76303)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	SREF	7.4190 sq. in.
(C76328)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	15.000	10.000	LREF	2.1020 in.
(C76332)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	15.000	40.000	BREF	4.0300 in.
					XMRP	3.4530 in.
					YMRP	0.0000 in.
					ZMRP	0.0000 in.
					SCALE	0.0040

MACH 1.97

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EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION

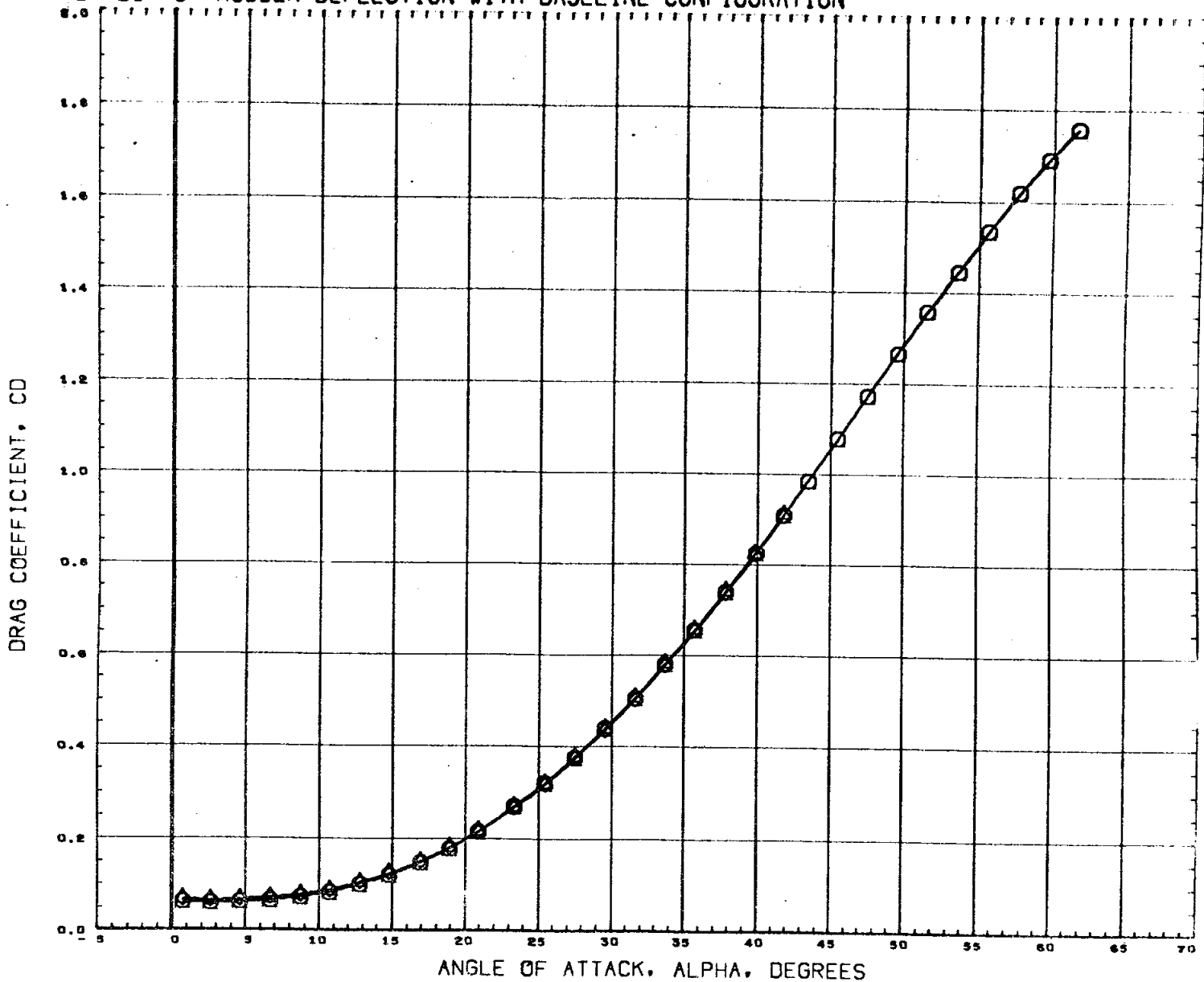


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUDFLR	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76528)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	15.000	10.000	LREF	2.1020 IN.
(C76532)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	15.000	40.000	BREF	4.0300 IN.
					XMRP	3.4530 IN.
					YMRP	0.0000 IN.
					ZMRP	0.0000 IN.
					SCALE	0.0040

MACH 2.99

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EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(C76305) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
 (C76528) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
 (C76532) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

BETA	RUDDER	RUDFLR
0.000	0.000	10.000
0.000	15.000	10.000
0.000	15.000	40.000

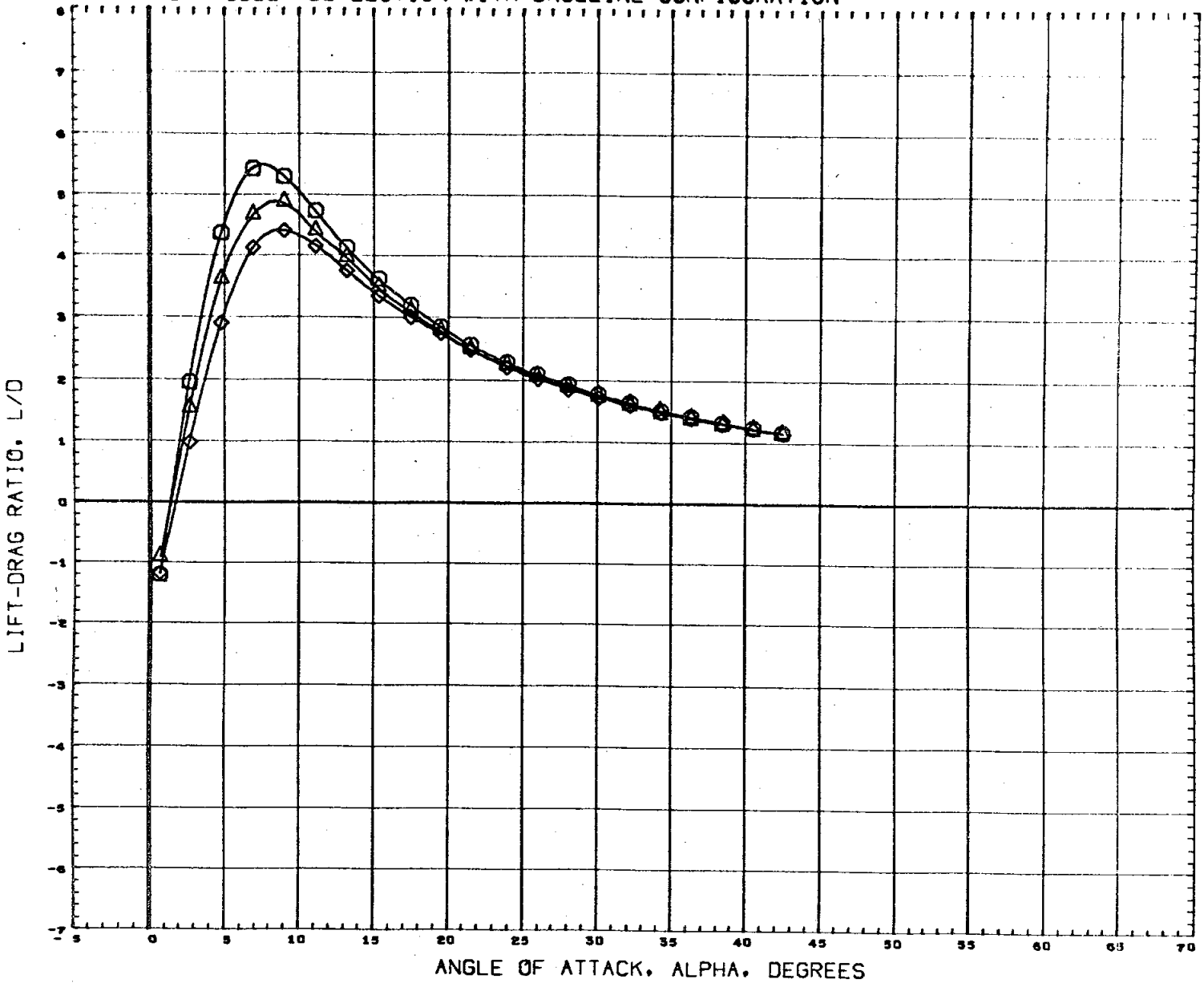
REFERENCE INFORMATION

SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 4.96

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EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION



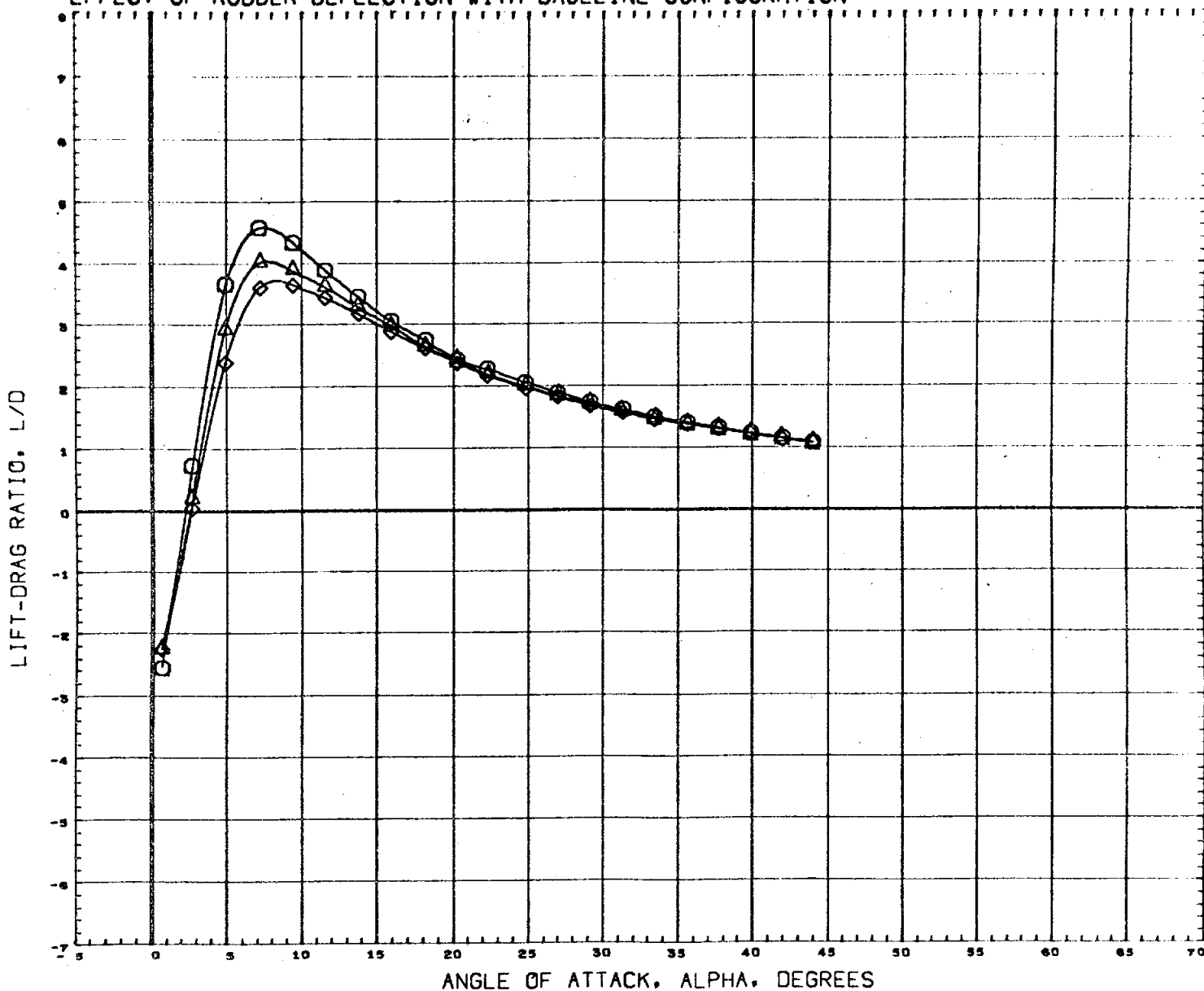
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUDFLR
(C76303)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000
(C76328)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	15.000	10.000
(C76332)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	15.000	40.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH .59

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EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION



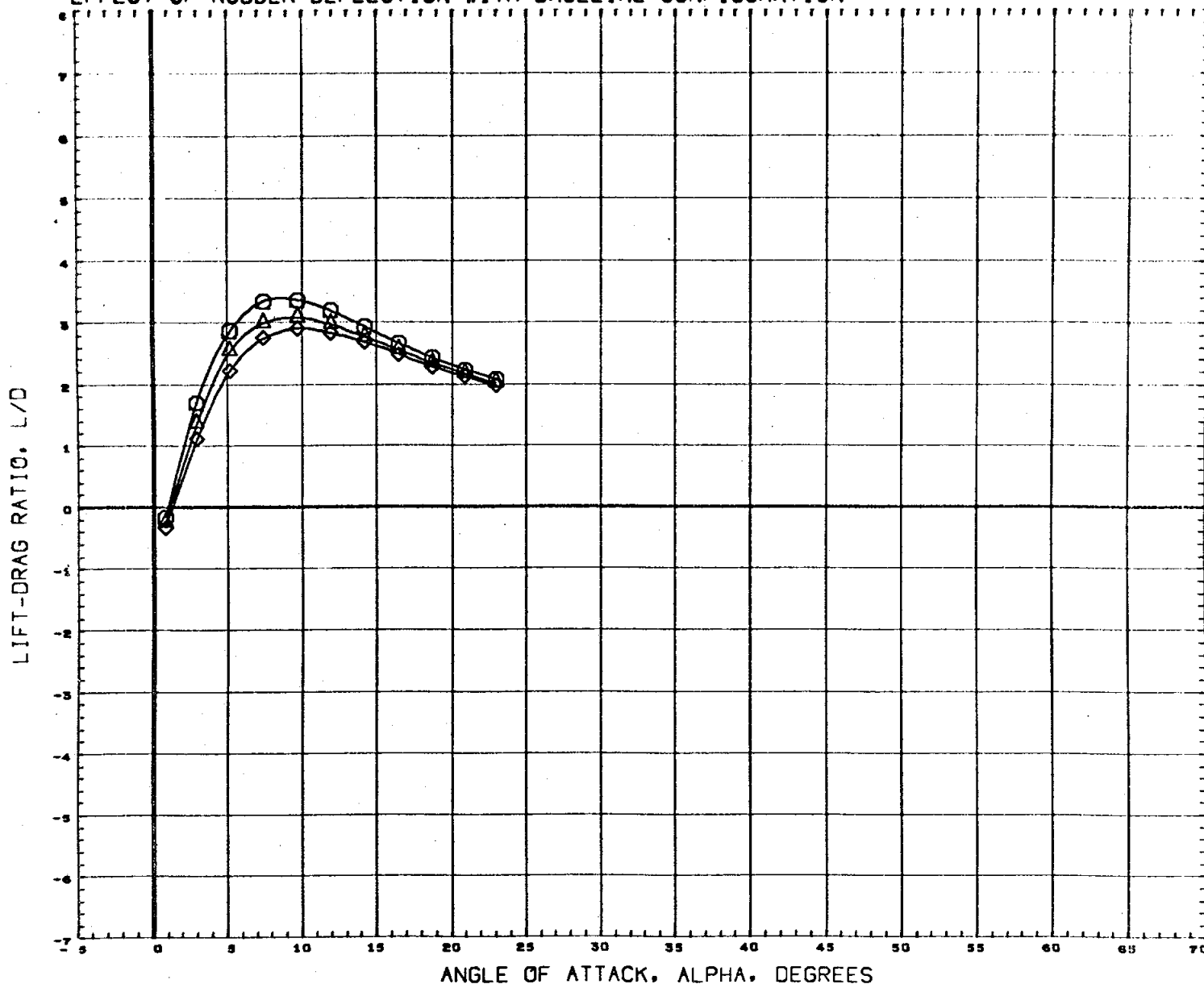
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUDFLR
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000
(C76520)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	15.000	10.000
(C76532)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	15.000	40.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH .90

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EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION

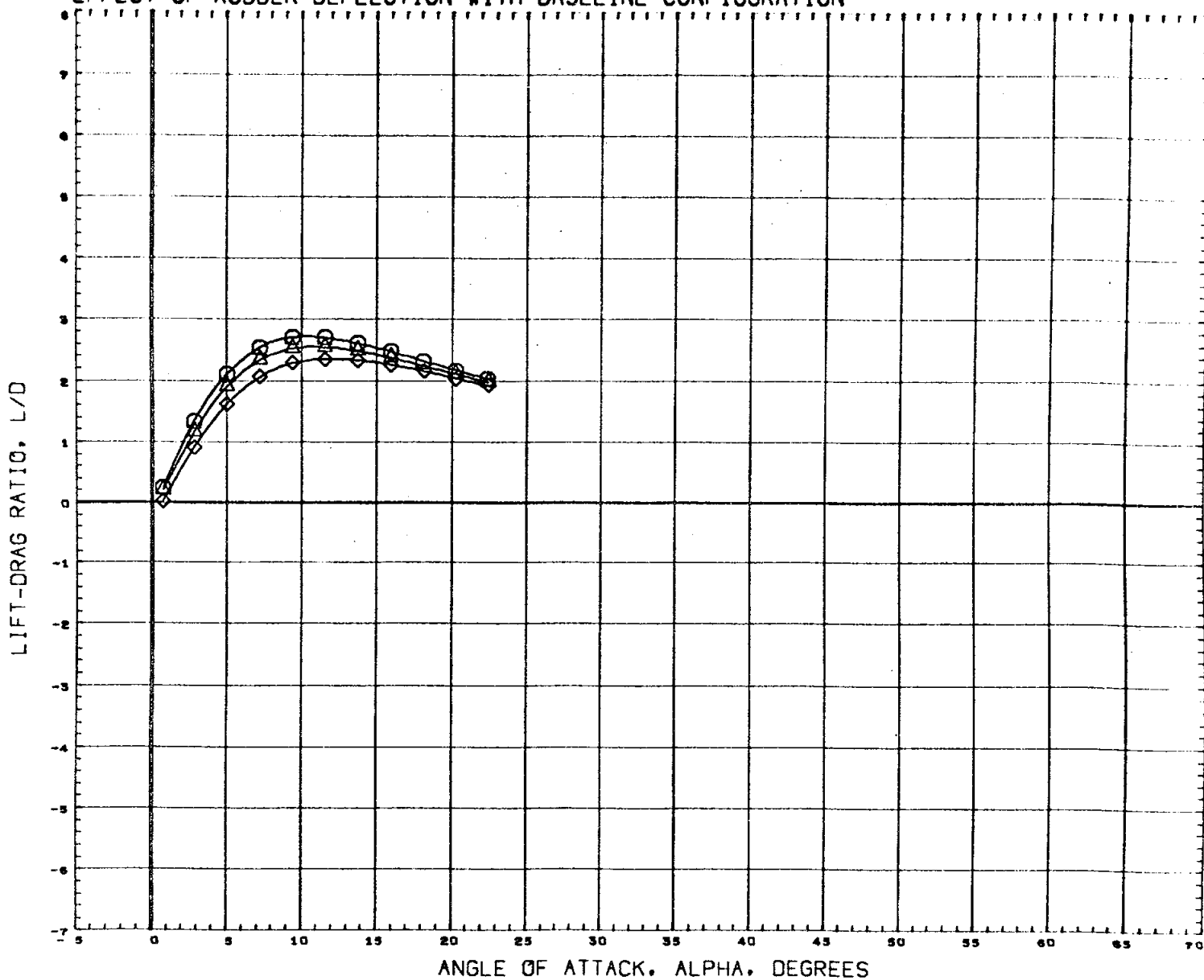


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUDDFLR	REFERENCE INFORMATION		
(C7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	SREF	7.4190	SQ. IN.
(C76528)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	15.000	10.000	LREF	2.1020	IN.
(C76532)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	15.000	40.000	BREF	4.0300	IN.
					XMRP	3.4530	IN.
					YMRP	0.0000	IN.
					ZMRP	0.0000	IN.
					SCALE	0.0040	

MACH 1.20

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EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION

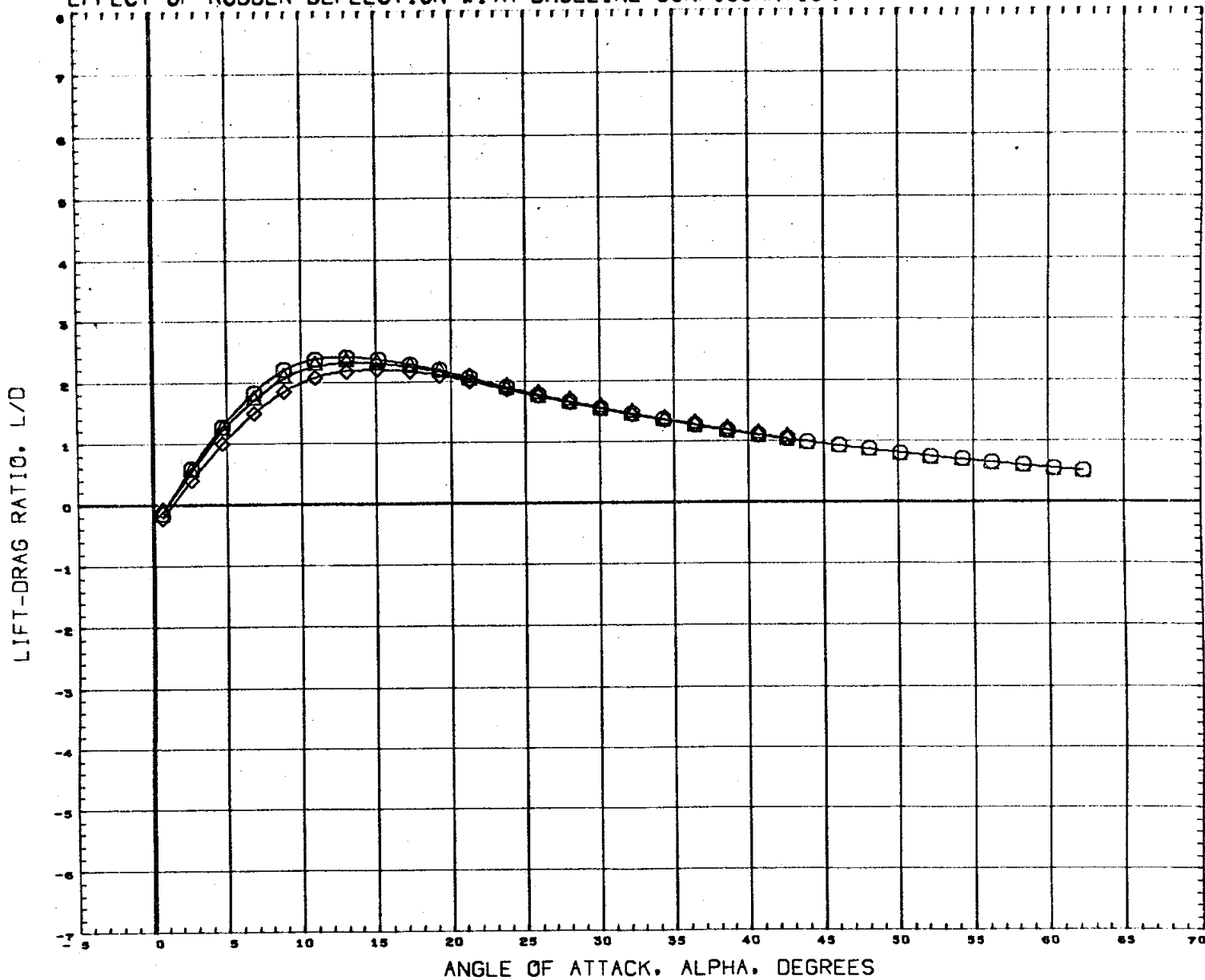


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUDFLR	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76328)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	15.000	10.000	LREF	2.1020 IN.
(C76332)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	15.000	40.000	BREF	4.0300 IN.
					XMRP	3.4530 IN.
					YMRP	0.0000 IN.
					ZMRP	0.0000 IN.
					SCALE	0.0040

MACH 1.97

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EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION

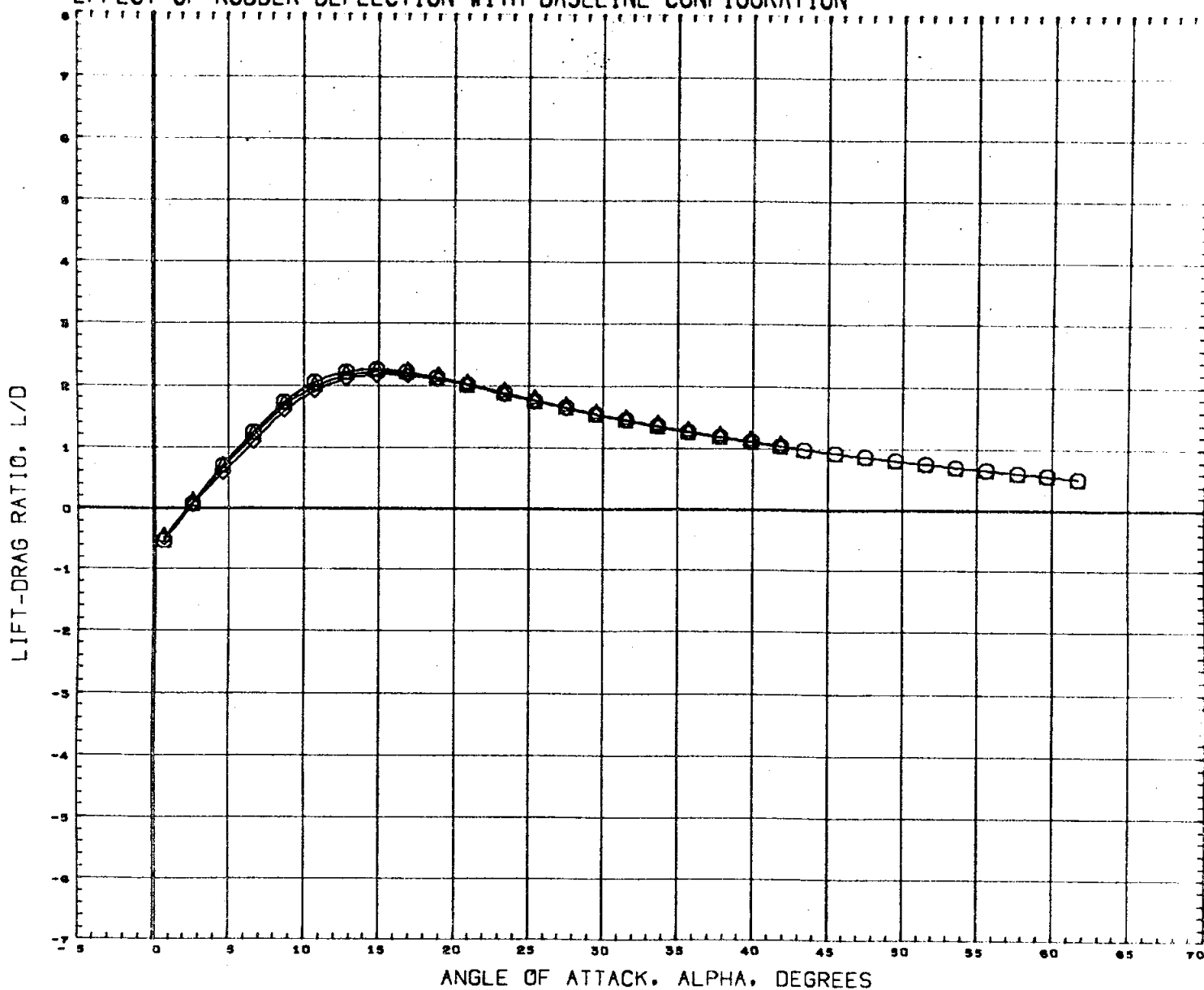


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUDFLR	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76328)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	15.000	10.000	LREF	2.1020 IN.
(C76332)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	15.000	40.000	BREF	4.0300 IN.
					XHRP	3.4530 IN.
					YHRP	0.0000 IN.
					ZHRP	0.0000 IN.
					SCALE	0.0040

MACH 2.99

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EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(C76305) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
 (C76528) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
 (C76532) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

BETA	RUDDER	RUDFLR
0.000	0.000	10.000
0.000	15.000	10.000
0.000	15.000	40.000

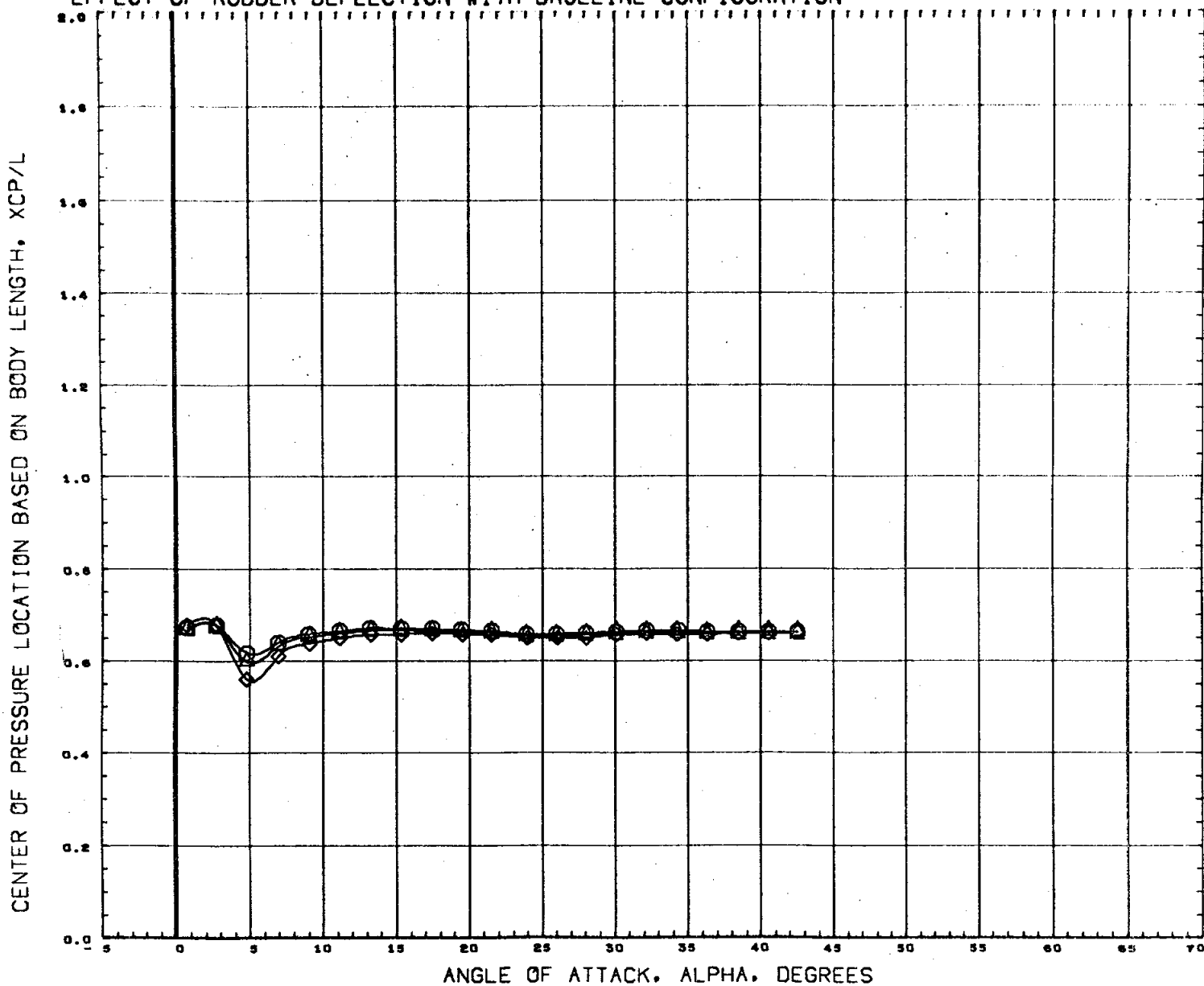
REFERENCE INFORMATION

SREF	7.4190	50. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 4.96

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EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION

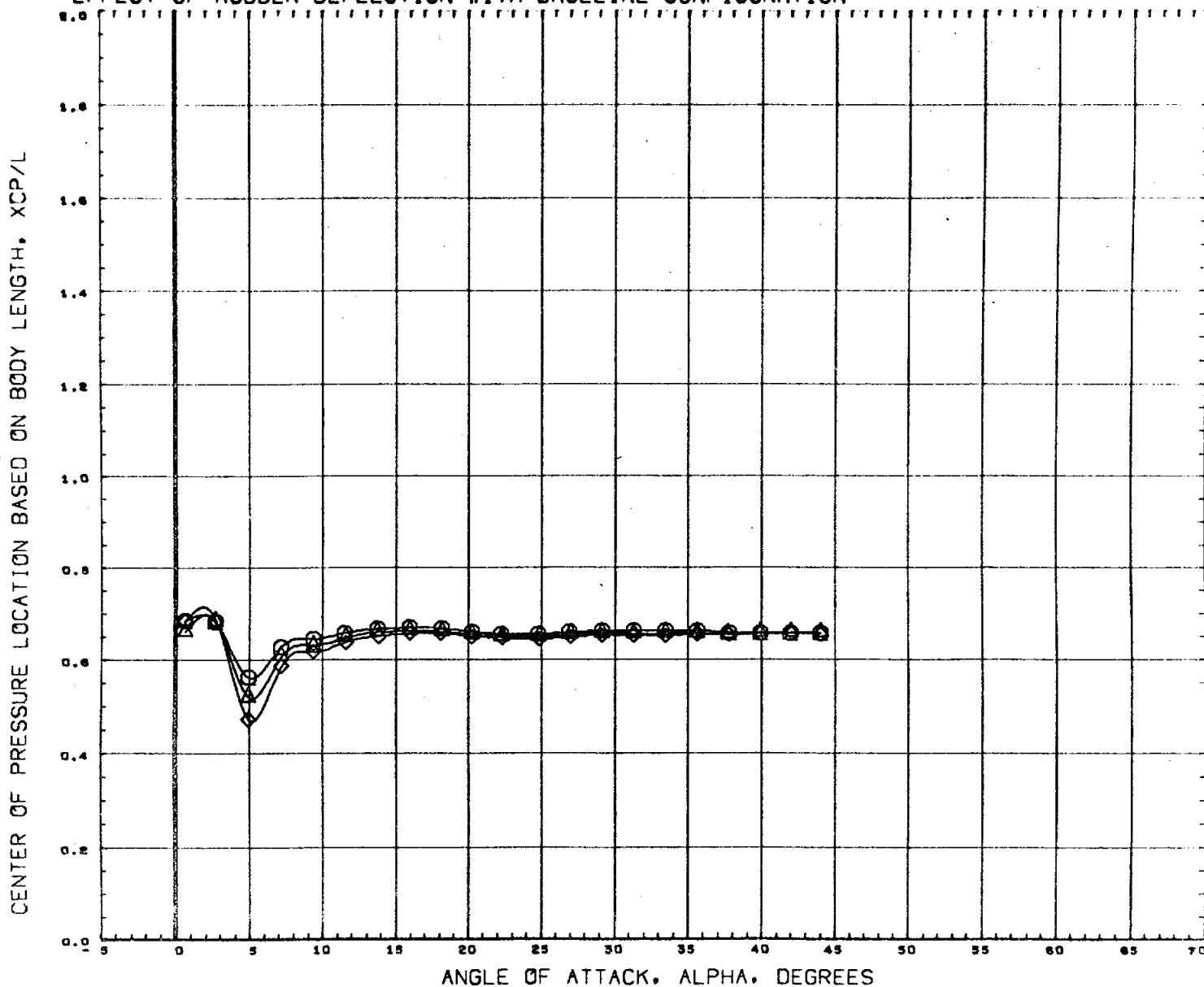


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDR	RUDFLR	REFERENCE INFORMATION	
(C76308)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76326)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	15.000	10.000	LREF	2.1020 IN.
(C76332)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	15.000	40.000	BREF	4.0300 IN.
					XMRP	3.4530 IN.
					YMRP	0.0000 IN.
					ZMRP	0.0000 IN.
					SCALE	0.0040

MACH .59

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EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION

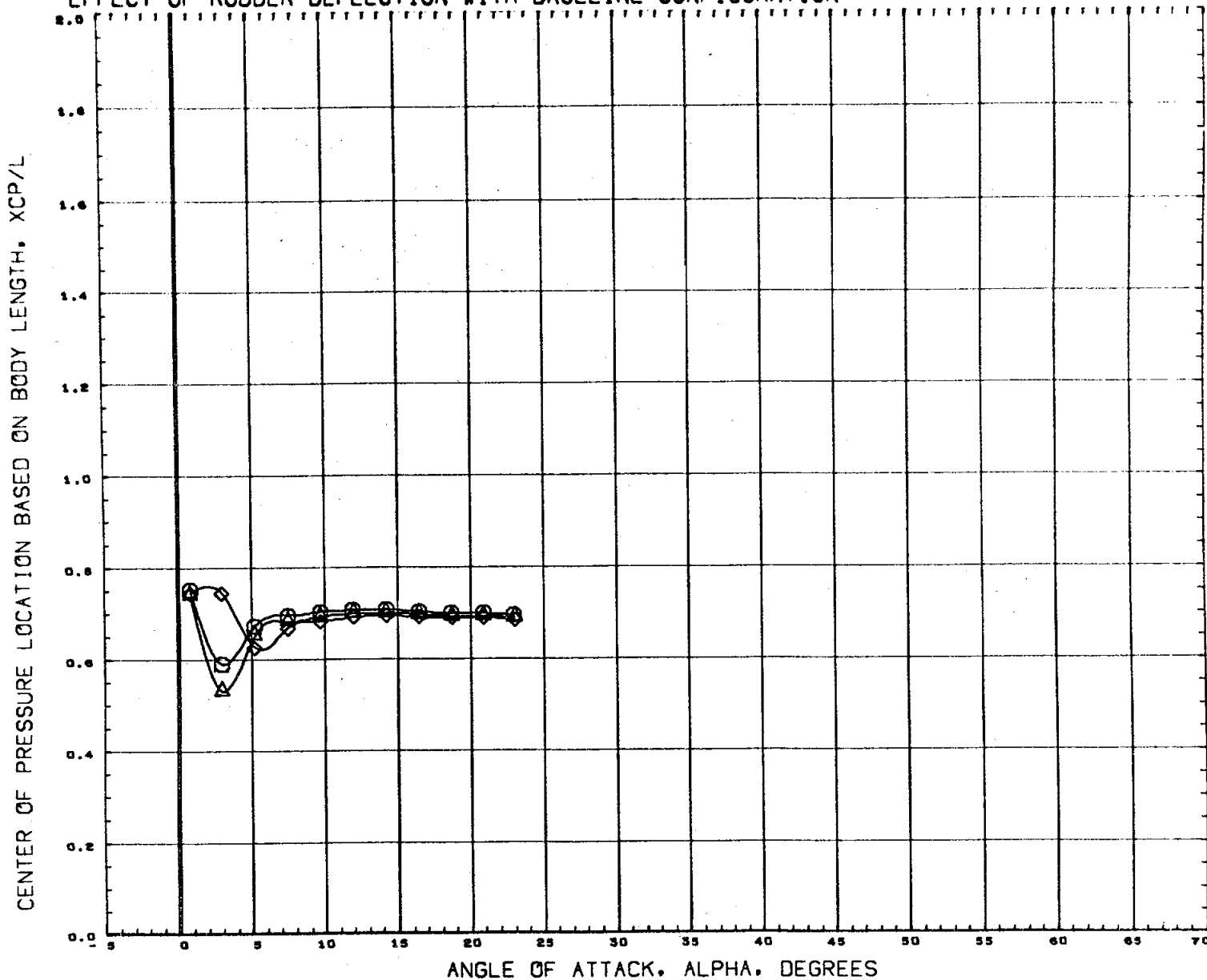


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUDFLR	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76320)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	15.000	10.000	LREF	2.1020 IN.
(C76332)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	15.000	40.000	BREF	4.0300 IN.
					XMRP	3.4530 IN.
					YMRP	0.0000 IN.
					ZMRP	0.0000 IN.
					SCALE	0.0040

MACH .90

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EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(C76303)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
(C76528)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
(C76532)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

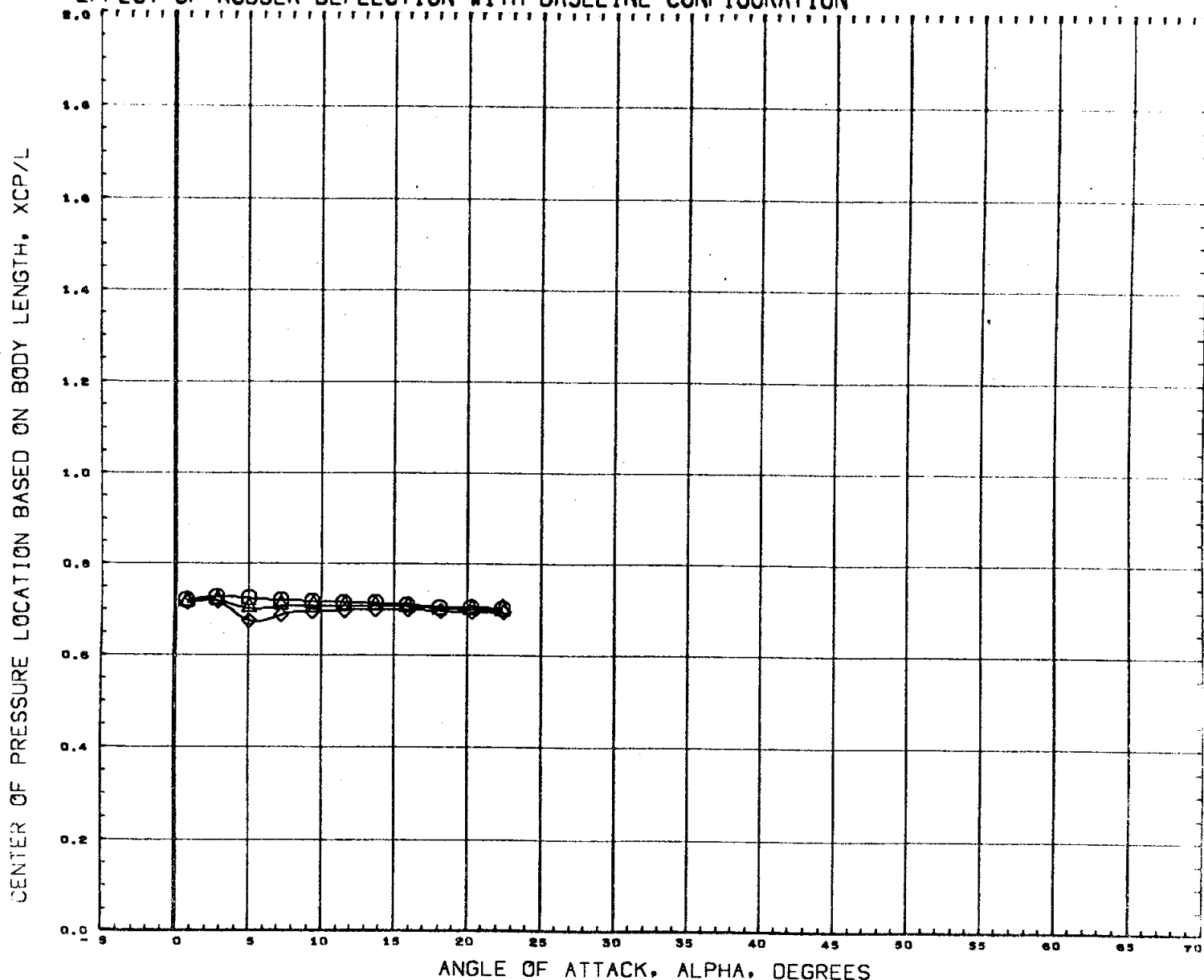
BETA	RUDDER	RUDFLR
0.000	0.000	10.000
0.000	15.000	10.000
0.000	15.000	40.000

REFERENCE INFORMATION	
SREF	7.4190 sq. in.
LREF	2.1020 in.
BREF	4.0300 in.
XMRP	3.4530 in.
YMRP	0.0000 in.
ZMRP	0.0000 in.
SCALE	0.0040

MACH 1.20

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EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION

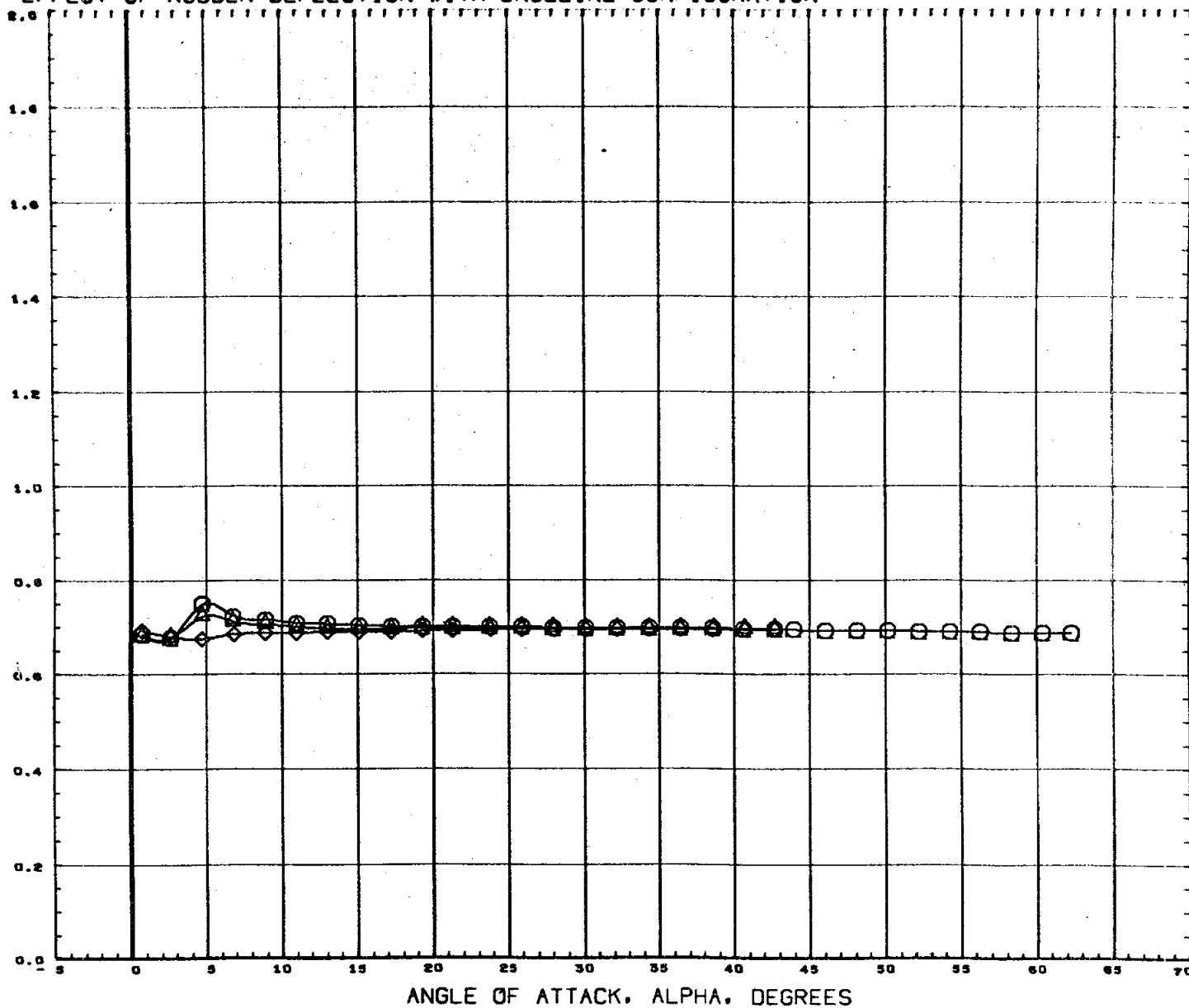


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUDFLR	REFERENCE INFORMATION	
(C76308)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76528)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	15.000	10.000	LREF	2.1020 IN.
(C76532)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	15.000	40.000	BREF	4.0300 IN.
					XMRP	3.4530 IN.
					YMRP	0.0000 IN.
					ZMRP	0.0000 IN.
					SCALE	0.0040

MACH 1.97

EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION

CENTER OF PRESSURE LOCATION BASED ON BODY LENGTH, XCP/L



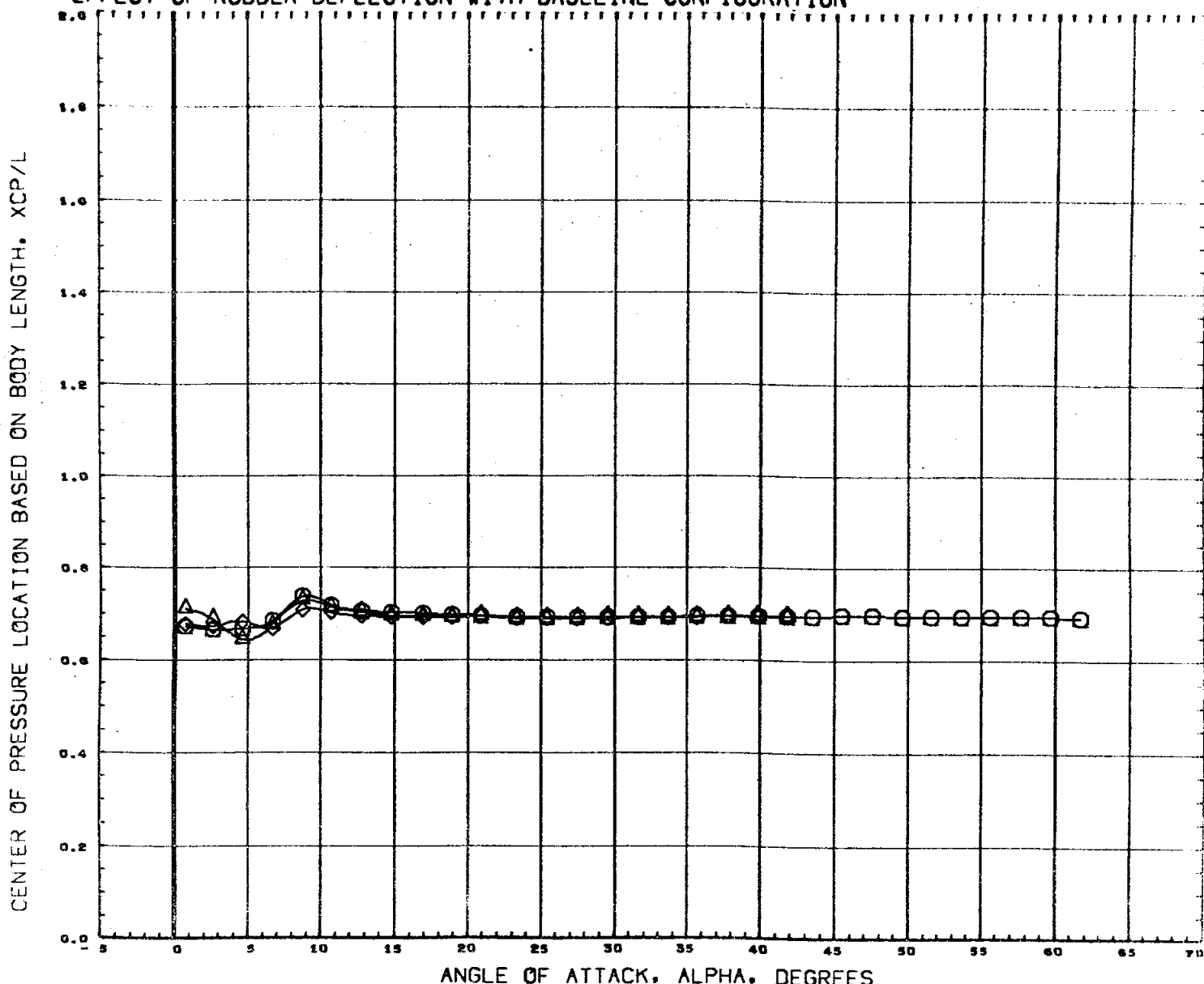
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUDFLR
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000
(C76328)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	15.000	10.000
(C76332)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	15.000	40.000

REFERENCE INFORMATION		
SREF	7.4190	Sq. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 2.99

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EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
(C76320)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
(C76332)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

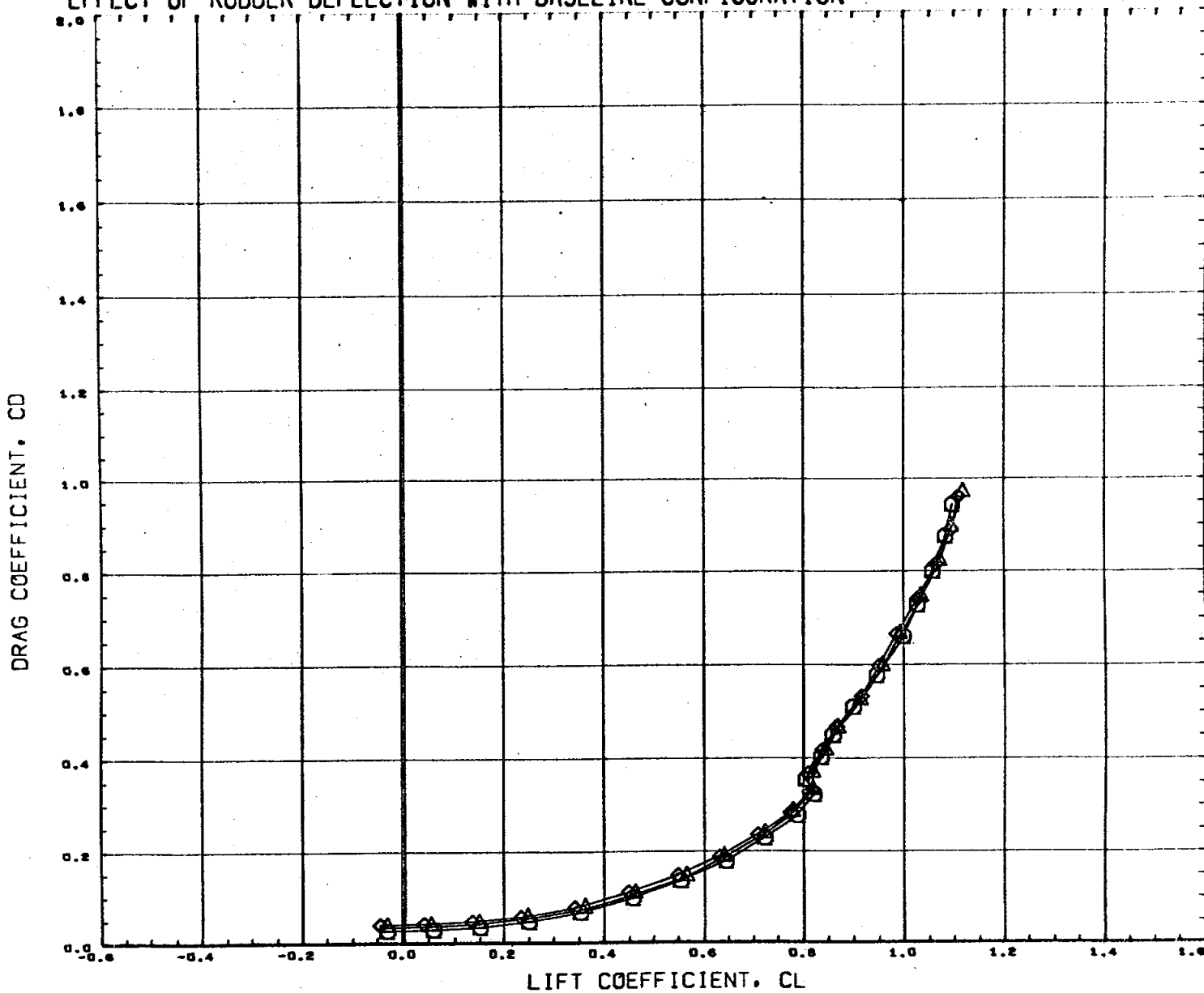
BETA	RUDDER	RUDFLR
0.000	0.000	10.000
0.000	15.000	10.000
0.000	15.000	40.000

REFERENCE INFORMATION		
SREF	7.4190	sq. in.
LREF	2.1020	in.
BREF	4.0300	in.
XMRP	3.4530	in.
YMRP	0.0000	in.
ZMRP	0.0000	in.
SCALE	0.0040	

MACH 4.96

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EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION

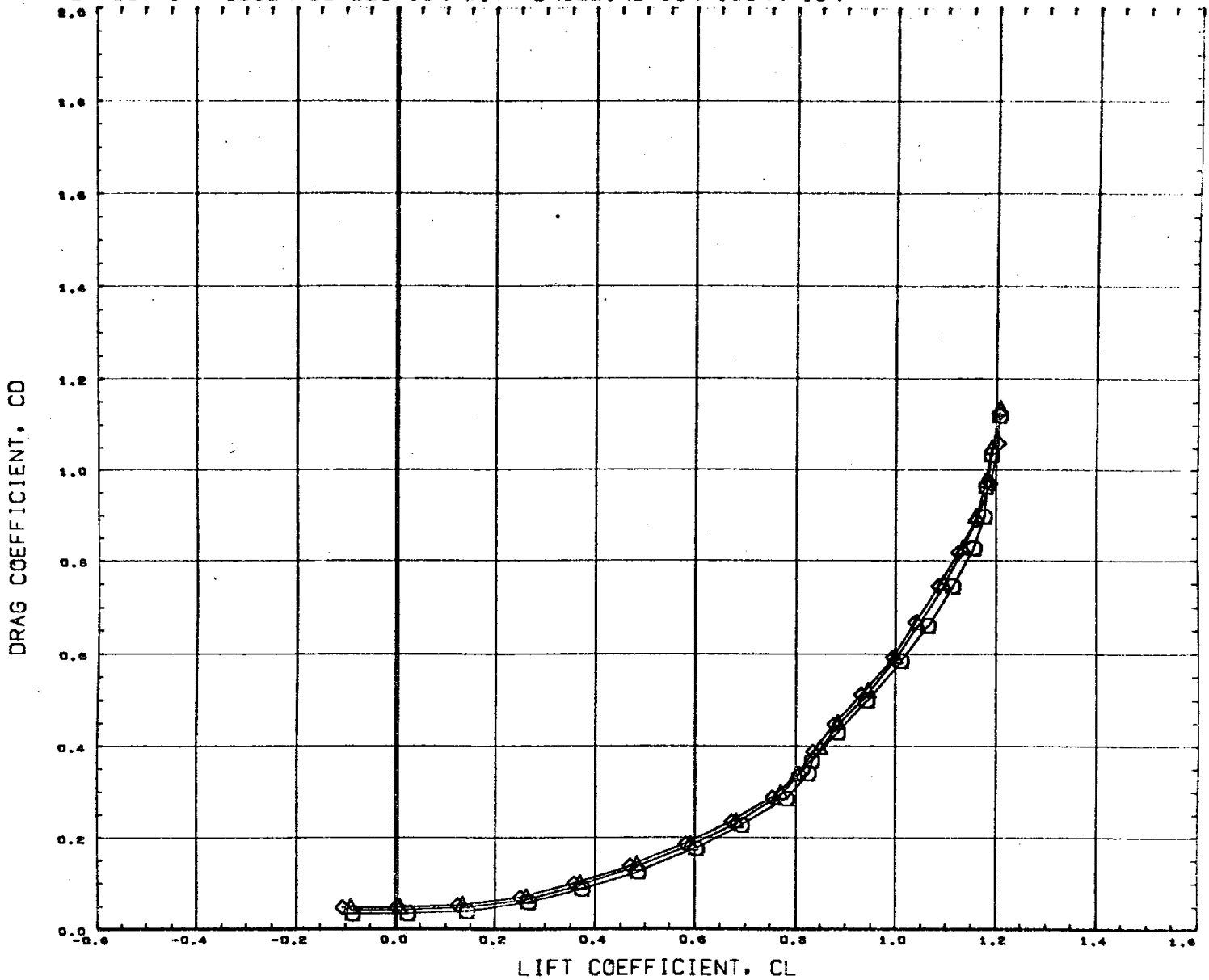


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUDFLR	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76326)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	15.000	10.000	LREF	2.1020 IN.
(C76332)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	15.000	40.000	BREF	4.0300 IN.
					XMRP	3.4530 IN.
					YMRP	0.0000 IN.
					ZMRP	0.0000 IN.
					SCALE	0.0040

MACH .59

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EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION

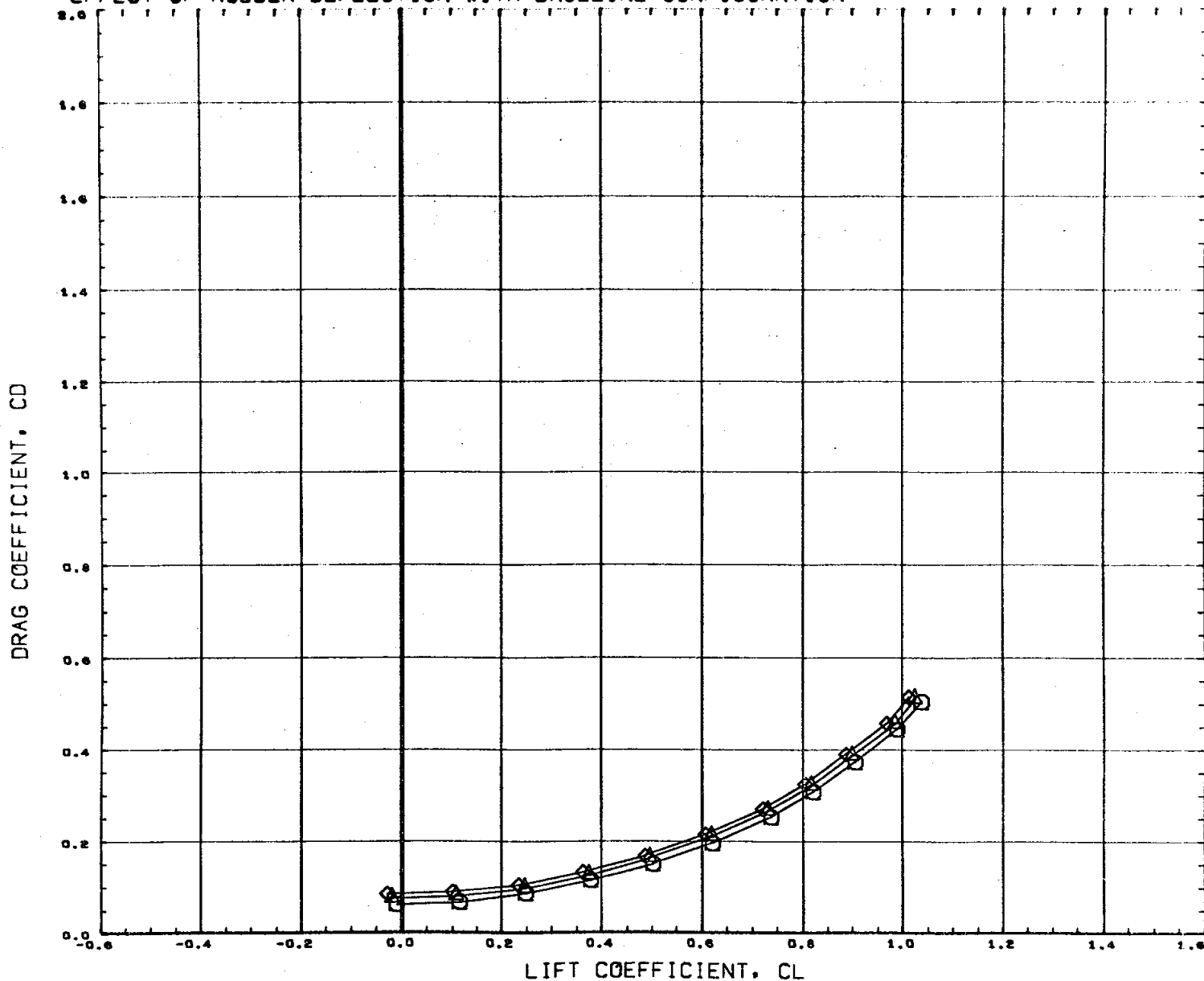


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUDDFLR	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76326)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	15.000	10.000	LREF	2.1020 IN.
(C76332)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	15.000	40.000	BREF	4.0300 IN.
					XMRP	3.4530 IN.
					YMRP	0.0000 IN.
					ZMRP	0.0000 IN.
					SCALE	0.0040

MACH .90

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EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION

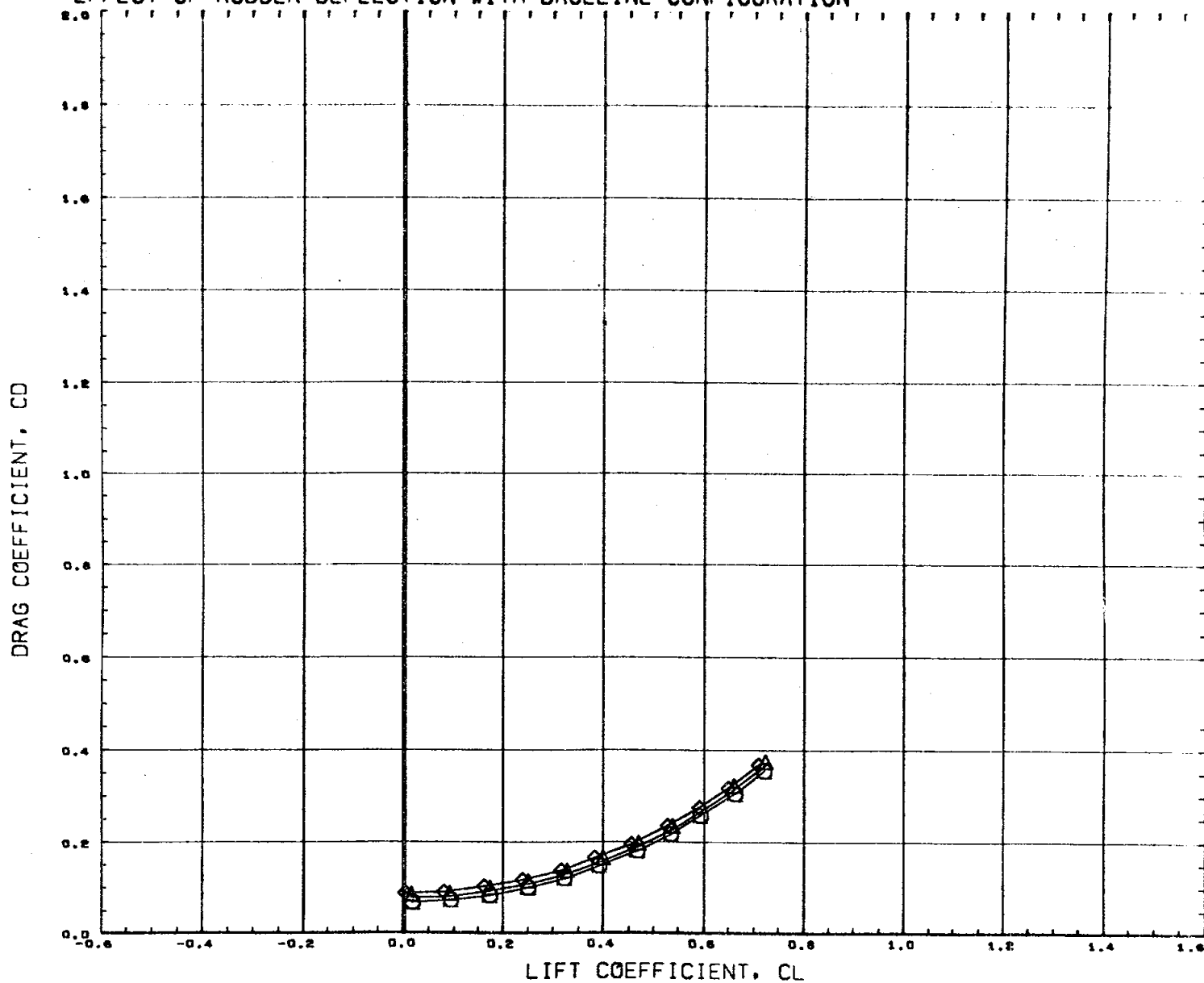


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUDFLR	REFERENCE INFORMATION	
(C76305)	MS55 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76326)	MS55 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	15.000	10.000	LREF	2.1020 IN.
(C76332)	MS55 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	15.000	40.000	BREF	4.0300 IN.
					XMRP	3.4530 IN.
					YMRP	0.0000 IN.
					ZMRP	0.0000 IN.
					SCALE	0.0040

MACH 1.20

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EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION

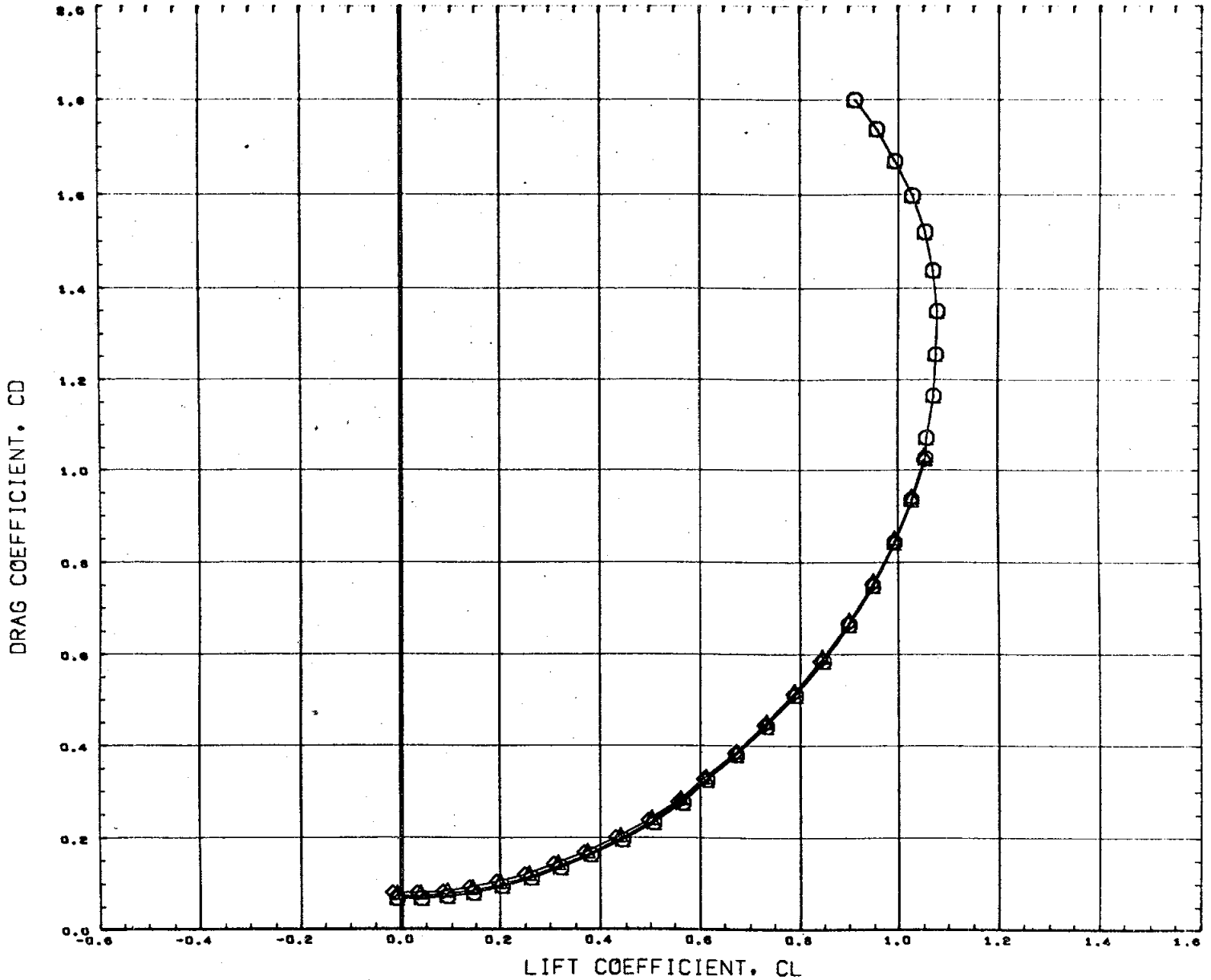


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUDFLR
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000
(C76828)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	15.000	10.000
(C76932)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	15.000	40.000

REFERENCE INFORMATION		
SREF	7.4190	Sq. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4950	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 1.97

EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION

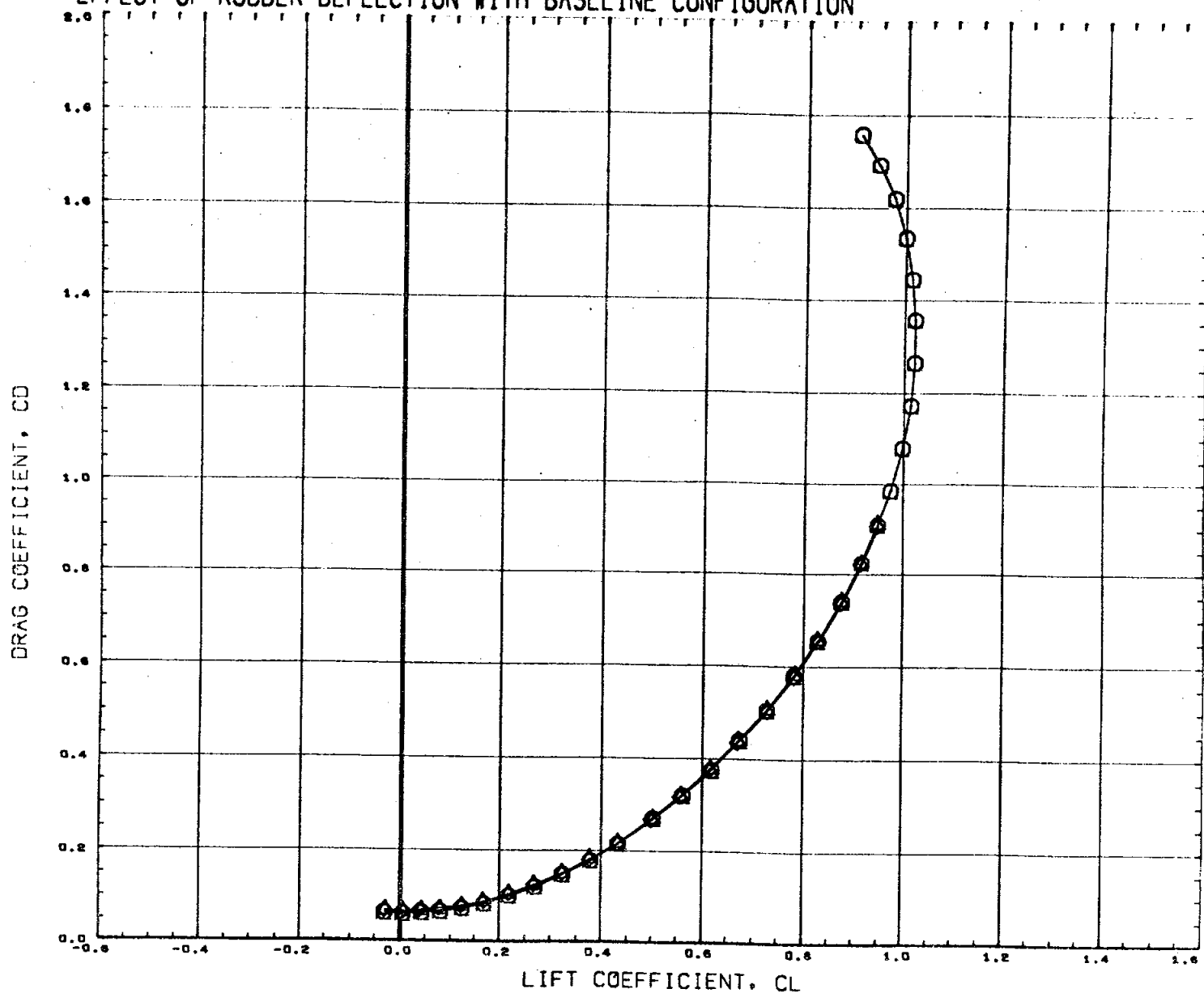


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUOFLR	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	SREF	7.4190 sq. in.
(C76328)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	15.000	10.000	LREF	2.1020 in.
(C76332)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.800	15.000	40.000	BREF	4.0300 in.
					XHRP	3.4530 in.
					YMRP	0.0000 in.
					ZMRP	0.0000 in.
					SCALE	0.0040

MACH 2.99

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EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION



DATA SET SYMBOL CONFIGURATION DESCRIPTION

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUDFLR
(C76308)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000
(C76528)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	15.000	10.000
(C76532)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	15.000	40.000

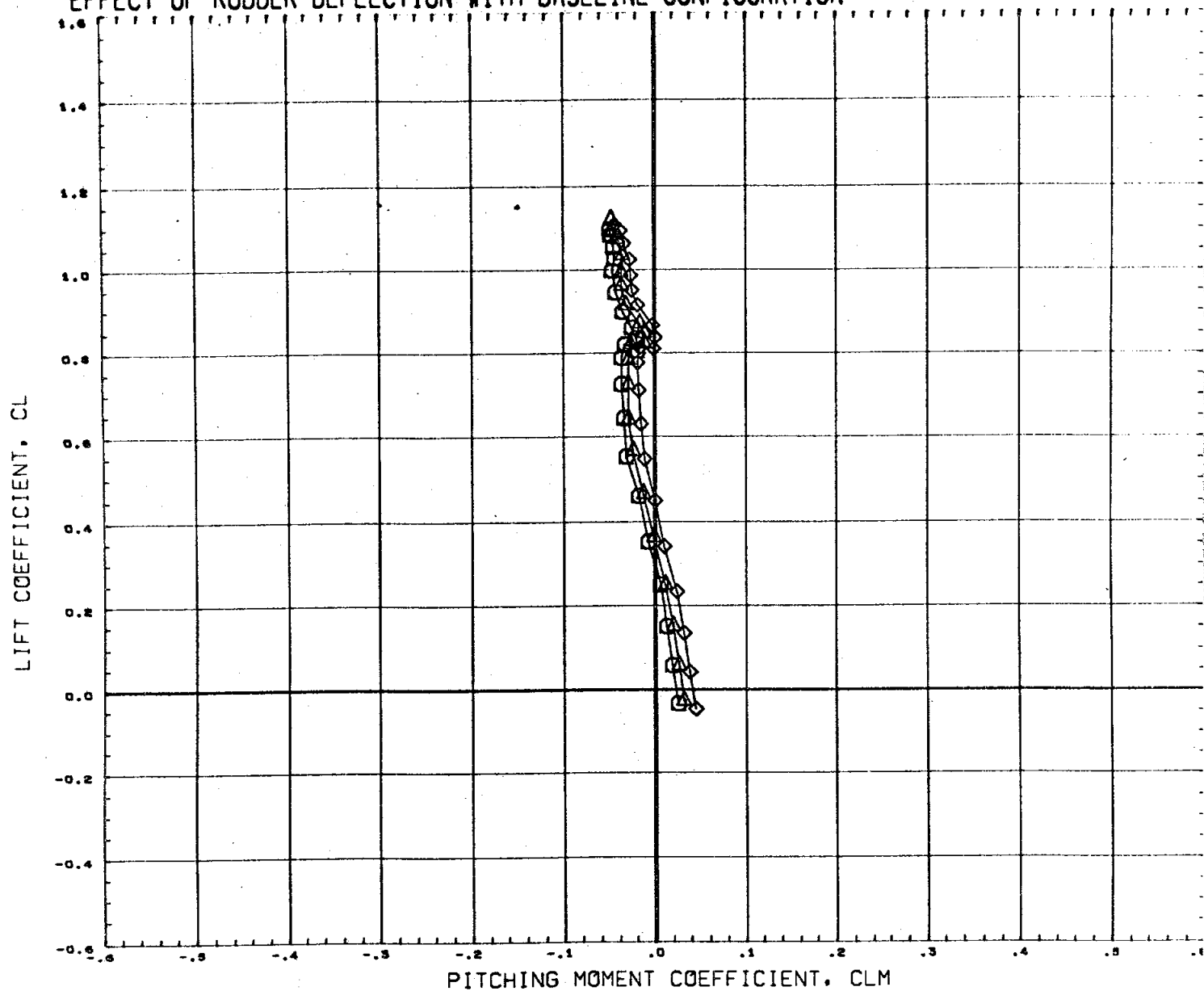
REFERENCE INFORMATION

SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRF	3.4530	IN.
YMRF	0.0000	IN.
ZMRF	0.0000	IN.
SCALE	0.0040	

MACH 4.96

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EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION



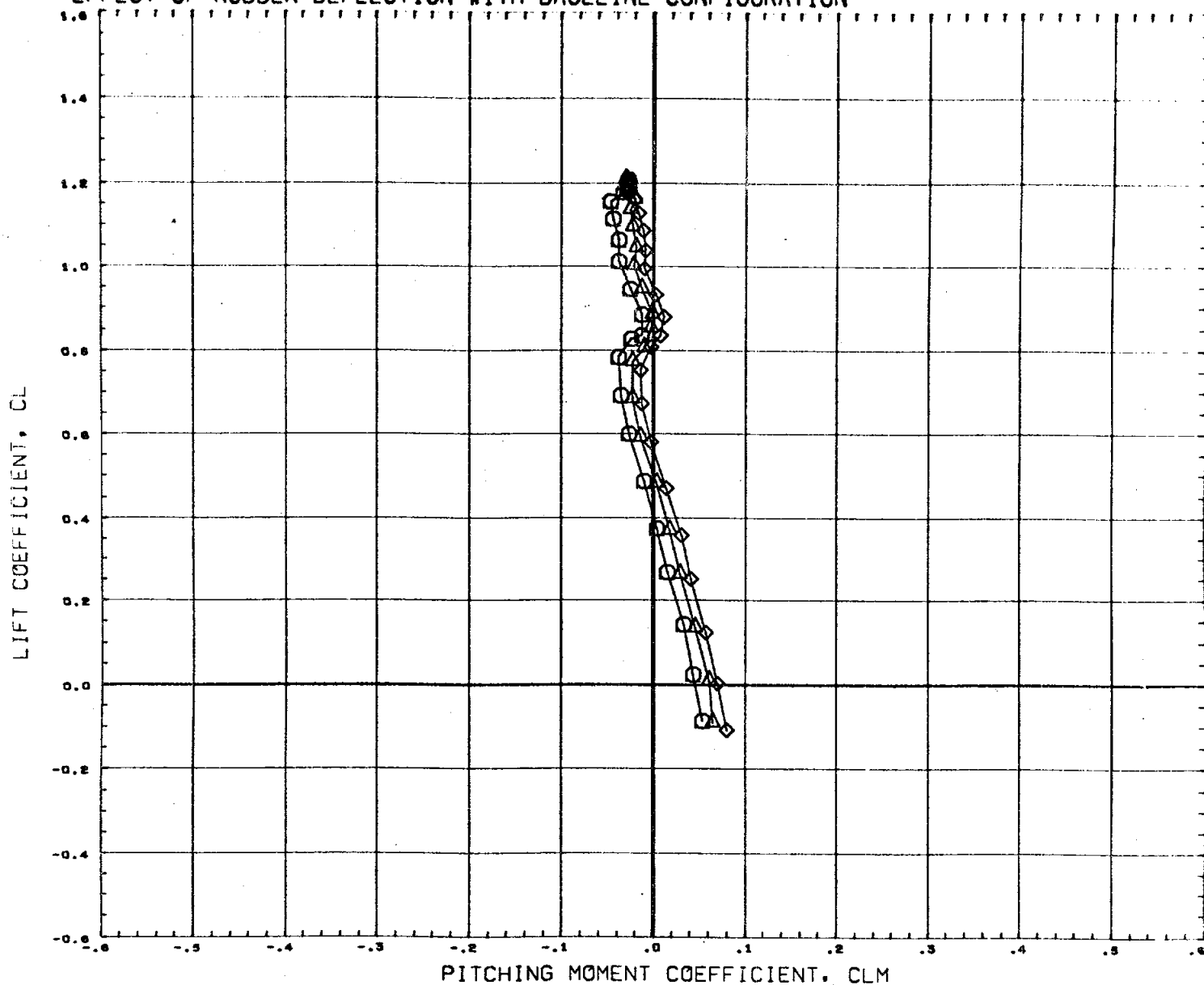
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUDFLR	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76328)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	15.000	10.000	LREF	2.1020 IN.
(C76332)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	15.000	40.000	BREF	4.0300 IN.
					XMRP	3.4330 IN.
					YMRP	0.0000 IN.
					ZMRP	0.0000 IN.
					SCALE	0.0040

MACH

.59

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EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION

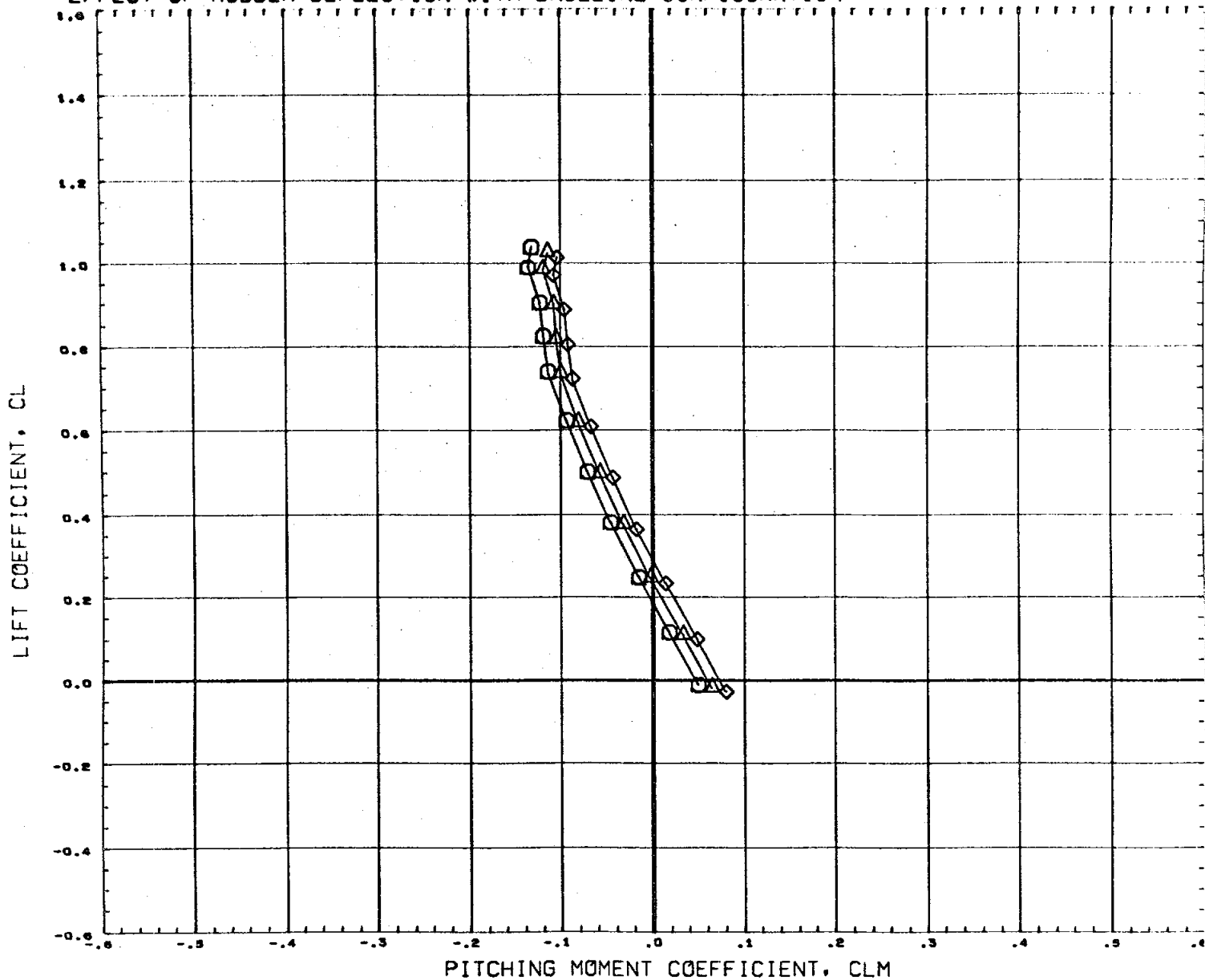


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUDFLR	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76326)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	15.000	10.000	LREF	2.1020 IN.
(C76332)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	15.000	40.000	BREF	4.0300 IN.
					XMRP	3.4530 IN.
					YMRP	0.0000 IN.
					ZMRP	0.0000 IN.
					SCALE	0.0040

MACH .90

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EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION



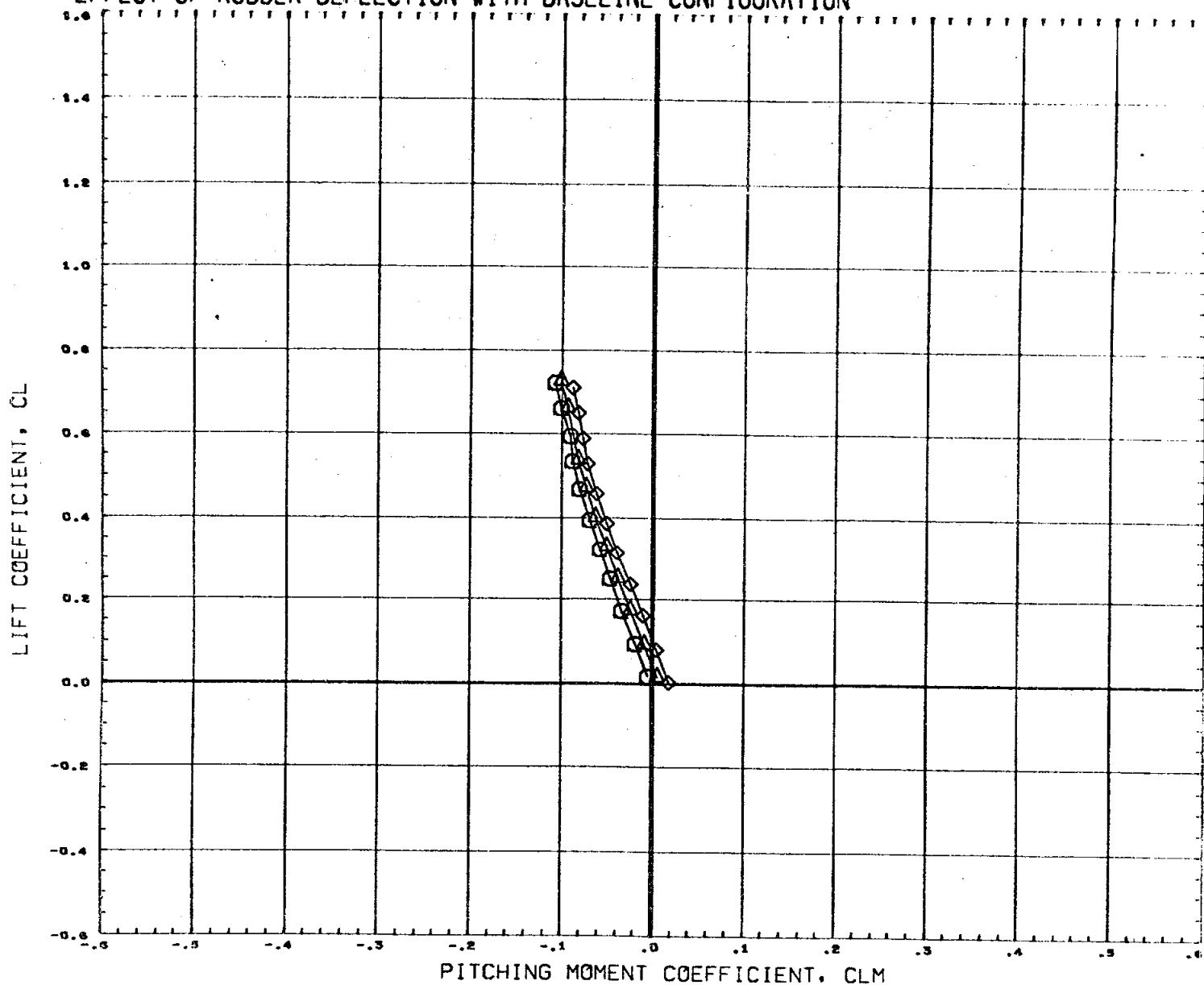
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUDFLR	REFERENCE INFORMATION	
(C76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	SREF	7.4190 SQ. IN.
(C76326)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	15.000	10.000	LREF	2.1020 IN.
(C76332)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	15.000	40.000	BREF	4.0300 IN.
					XMRP	3.4330 IN.
					YMRP	0.0000 IN.
					ZMRP	0.0000 IN.
					SCALE	0.0040

MACH

1.20

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EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(C76305) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
 (C76326) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
 (C76332) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

BETA	RUDDER	RUDFLR
0.000	0.000	10.000
0.000	15.000	10.000
0.000	15.000	40.000

REFERENCE INFORMATION

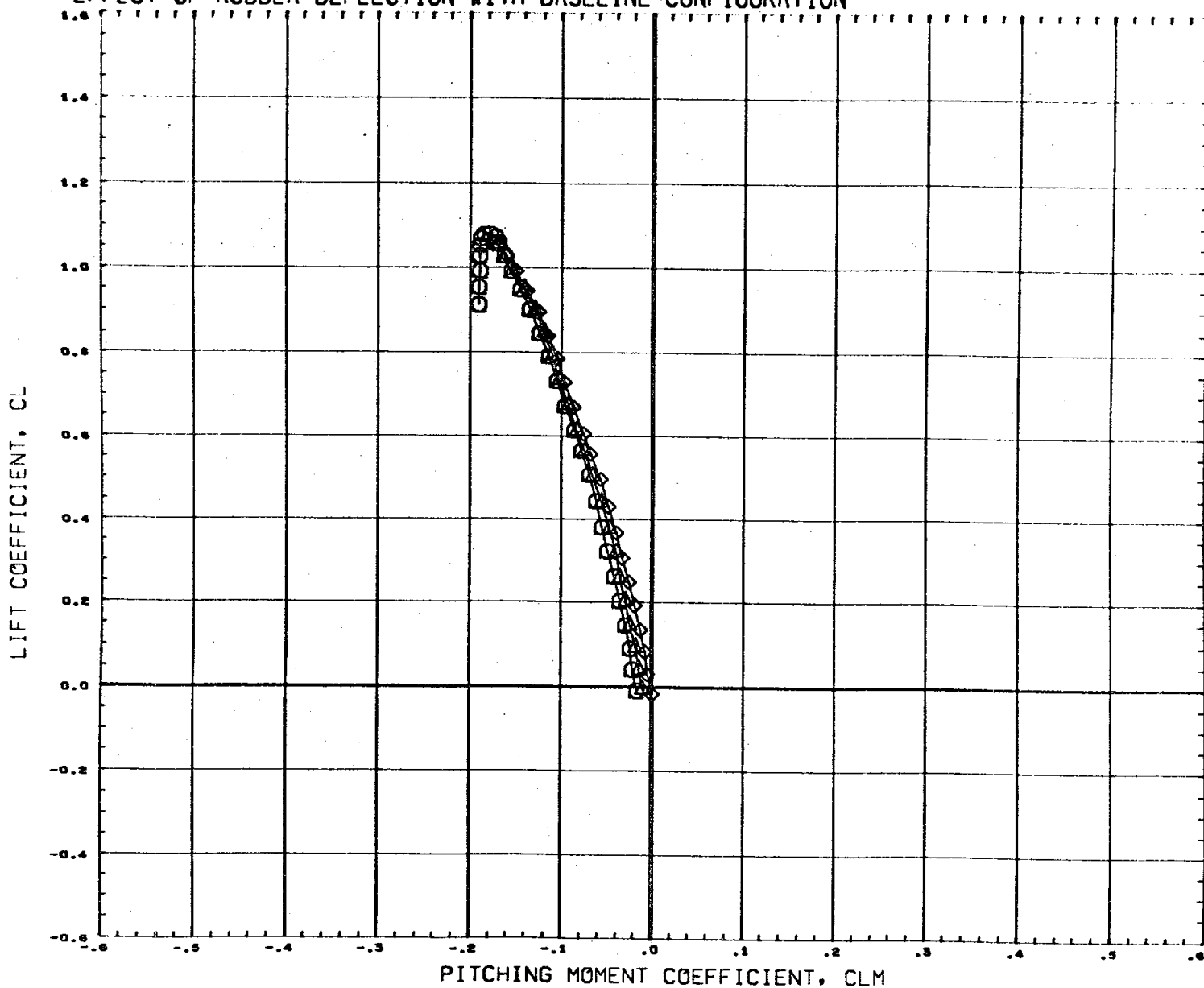
SREF	7.4190	50. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH

1.97

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EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(C76305)	○	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
(C76328)	△	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
(C76332)	◇	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

BETA	RUDDER	RUDFLR
0.000	0.000	10.000
0.000	15.000	10.000
0.000	15.000	40.000

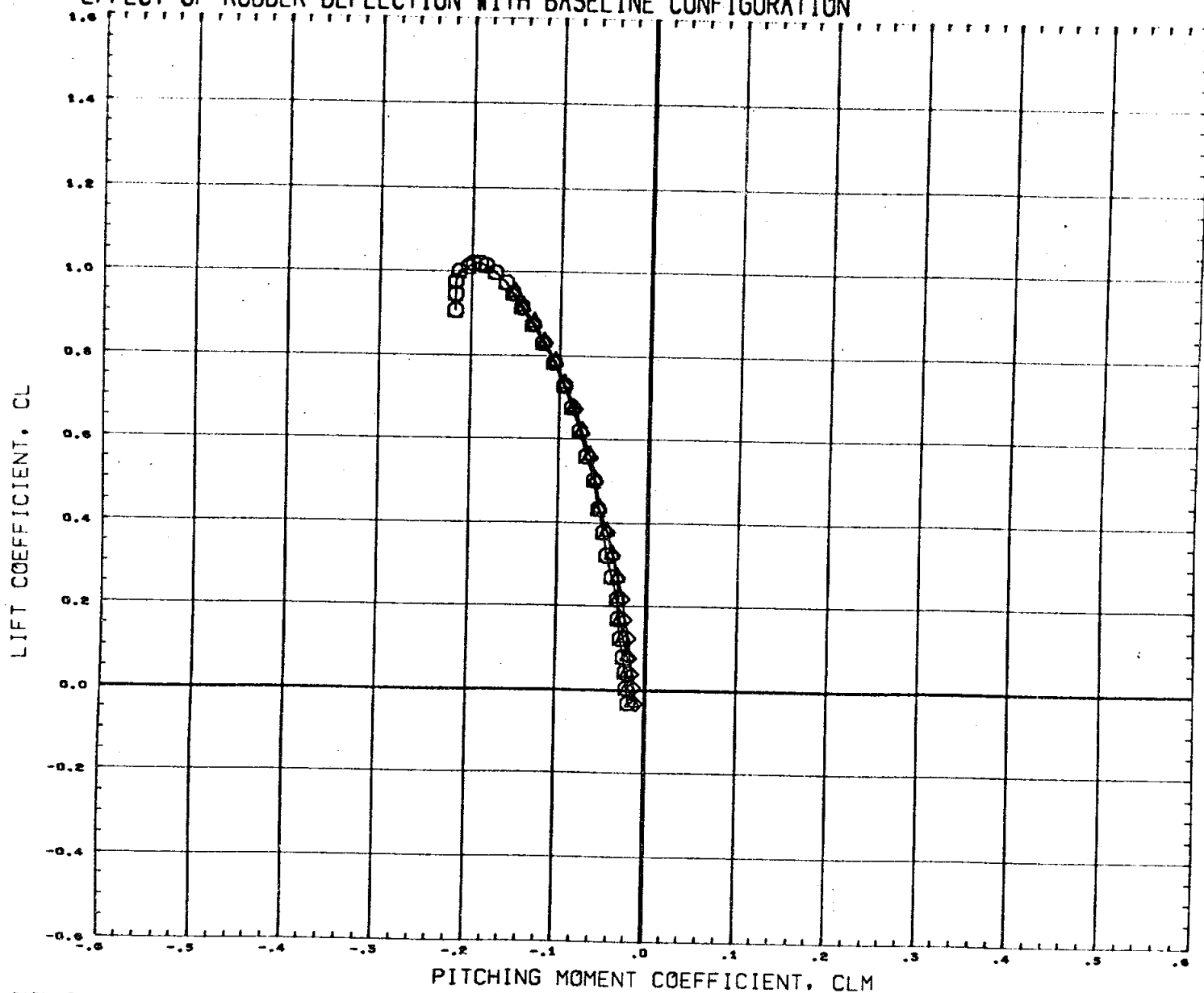
REFERENCE INFORMATION

SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4330	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 2.99

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EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(C7630S)	○	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
(C76328)	△	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
(C76332)	◇	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

BETA	RUDDER	RUDFLR
0.000	0.000	10.000
0.000	15.000	10.000
0.000	15.000	40.000

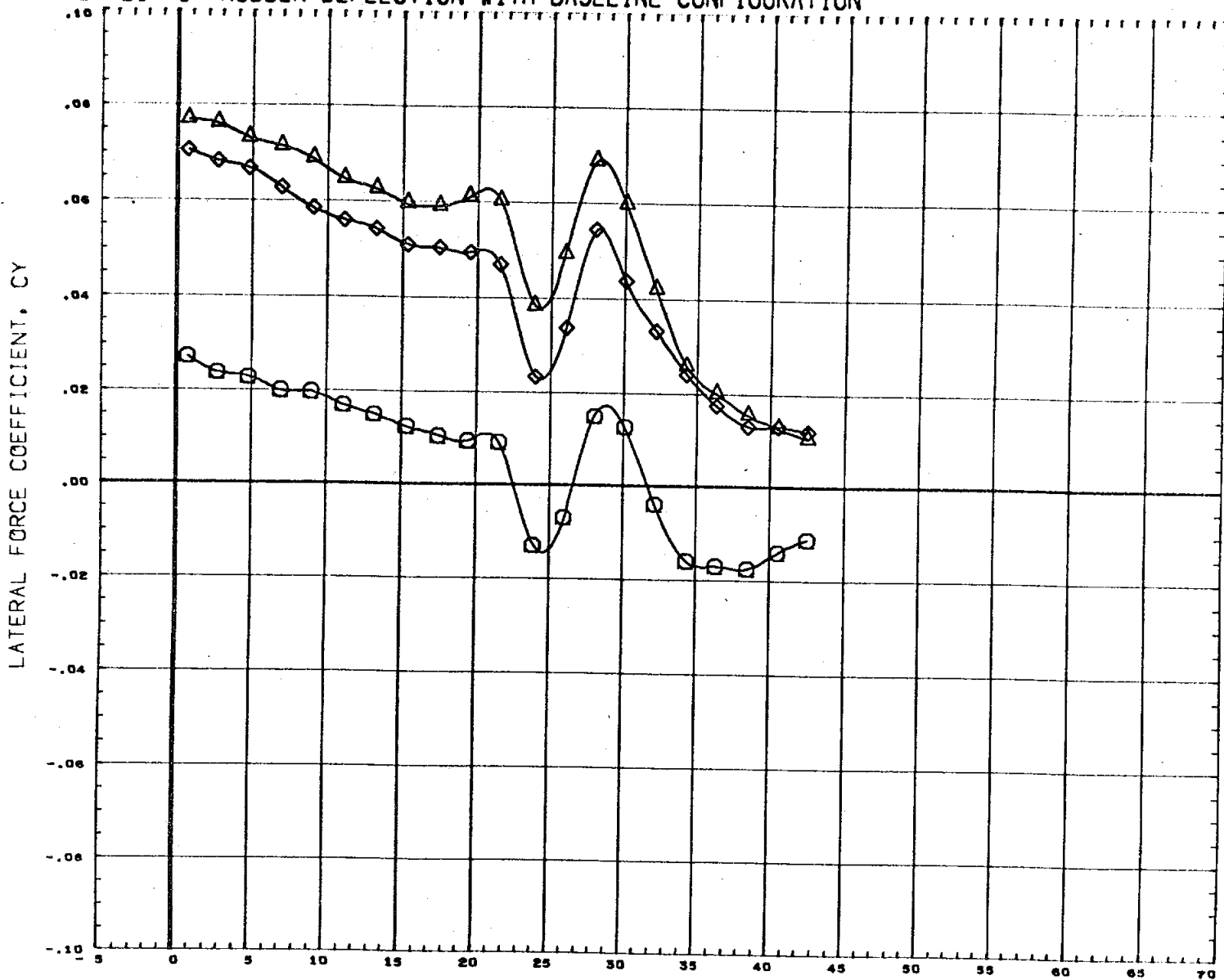
REFERENCE INFORMATION

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LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 4.96

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EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(A76305) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
 (A76528) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
 (A76532) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

BETA	RUDDER	RUDFLR
0.000	0.000	10.000
0.000	15.000	10.000
0.000	15.000	40.000

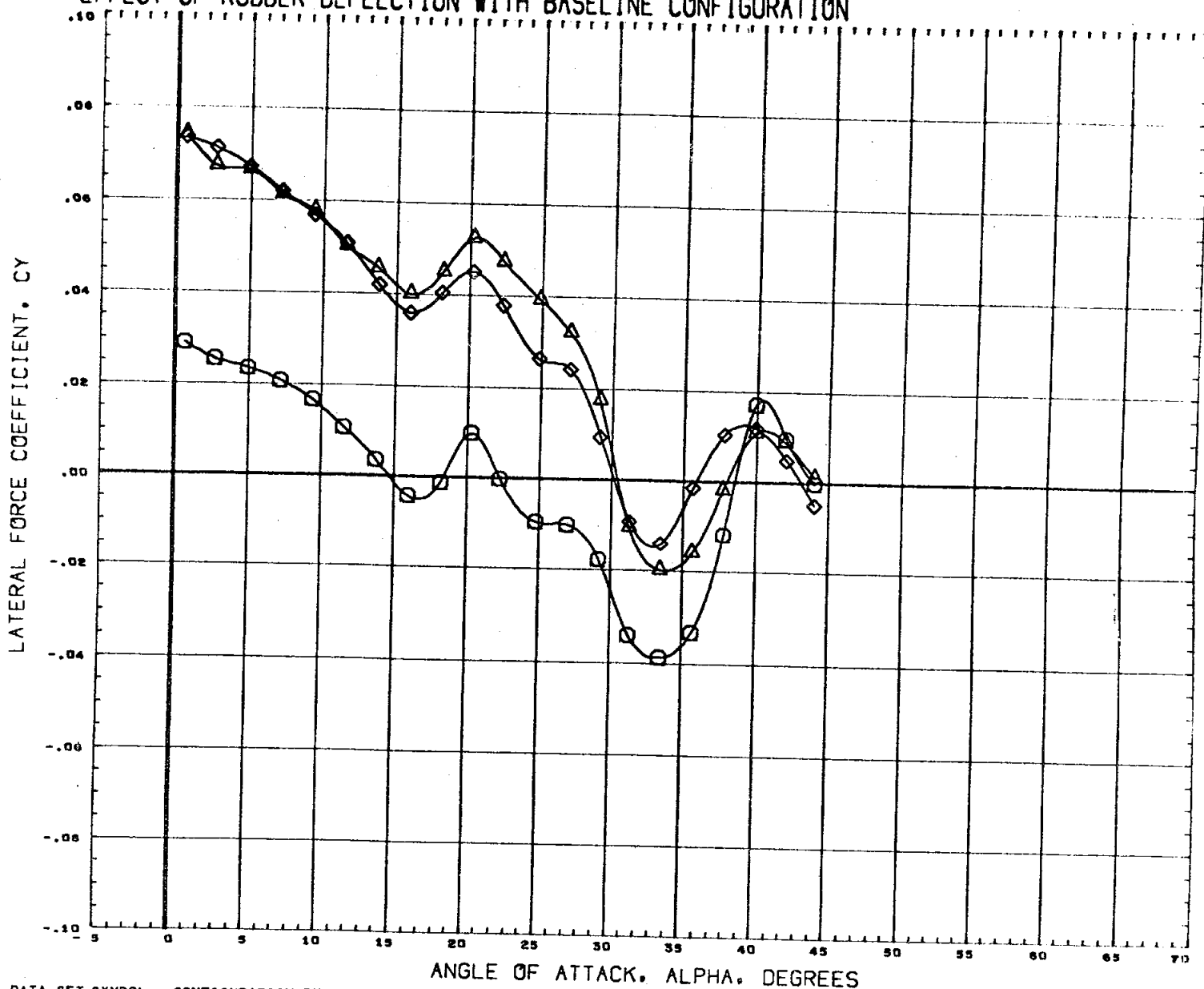
REFERENCE INFORMATION

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LREF	2.1020	IN.
BREF	4.0300	IN.
XMRF	3.4530	IN.
YMRF	0.0000	IN.
ZMRF	0.0000	IN.
SCALE	0.0040	

MACH .59

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EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION



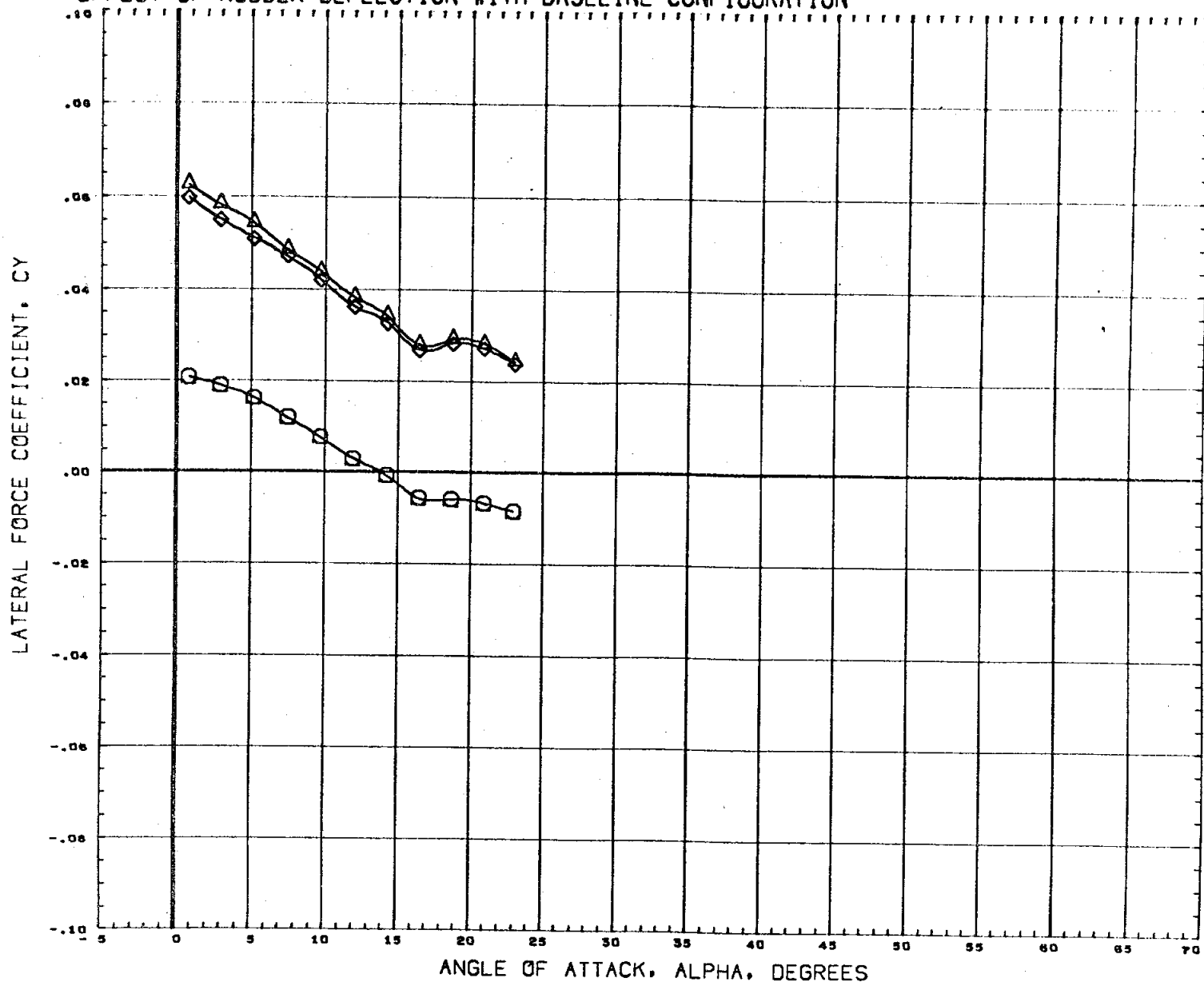
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(A7630S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
(A7632S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
(A7633S)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

BETA	RUDDER	RUDFLR
0.000	0.000	10.000
0.000	15.000	10.000
0.000	15.000	40.000

REFERENCE INFORMATION		
SREF	7.4190	30. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH .90

EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(A76305) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
 (A76328) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
 (A76332) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

BETA	RUDDER	RUDFLR
0.000	0.000	10.000
0.000	15.000	10.000
0.000	15.000	40.000

REFERENCE INFORMATION

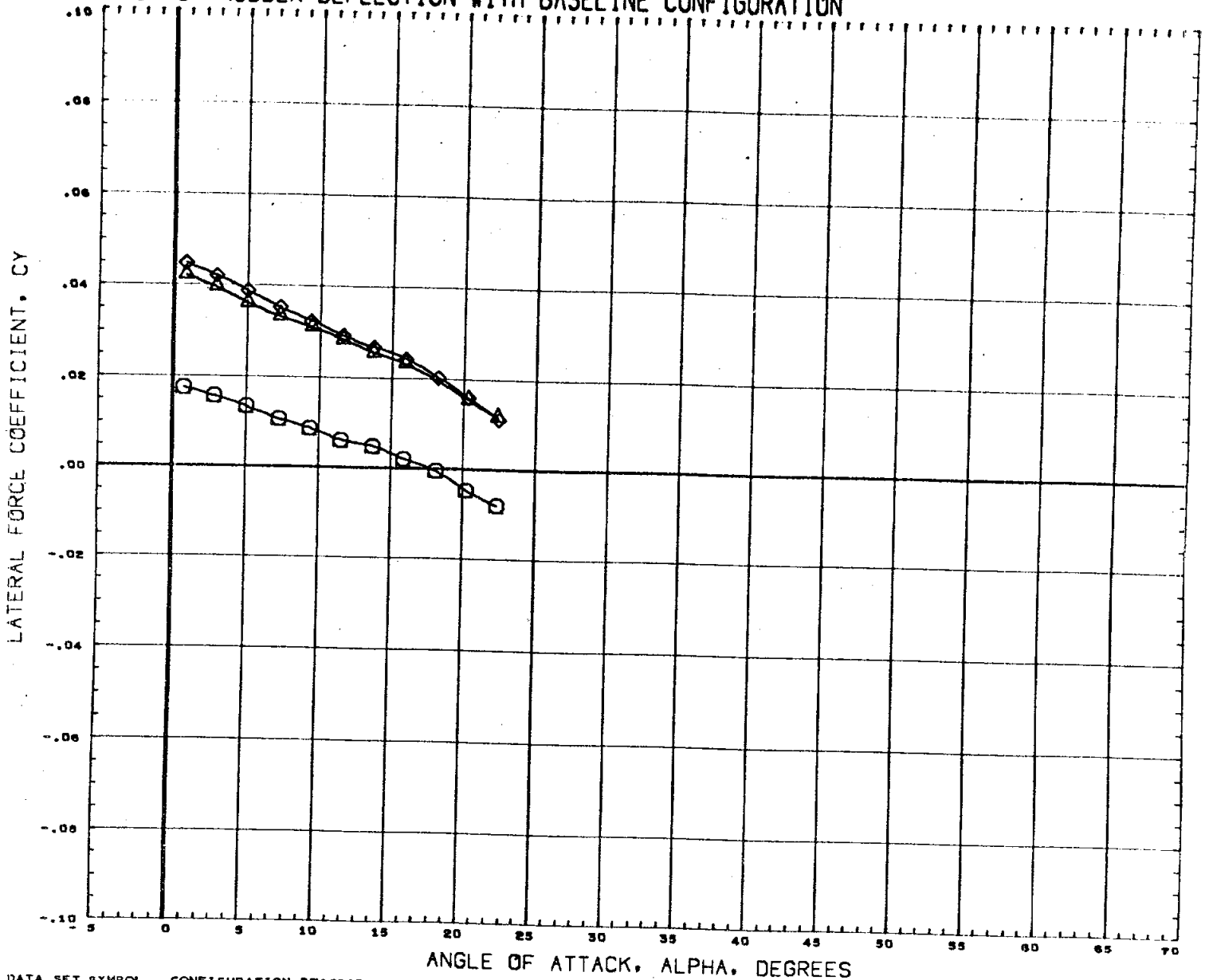
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LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH

1.20

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EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION

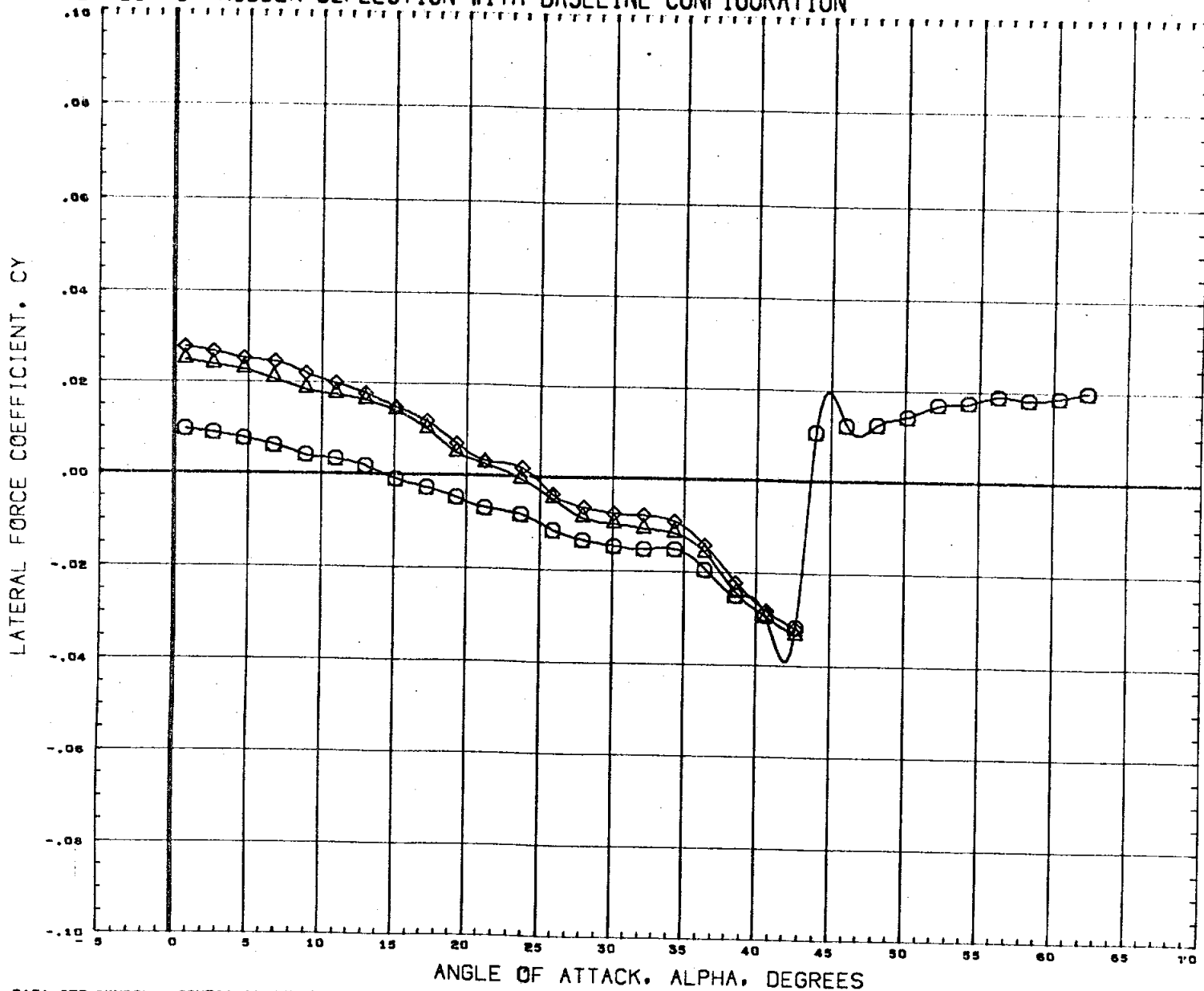


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUDFLR
(A76309)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000
(A76328)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	15.000	10.000
(A76332)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	15.000	40.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRF	3.4530	IN.
YMRF	0.0000	IN.
ZMRF	0.0000	IN.
SCALE	0.0040	

MACH 1.97

EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(A76305)	○	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
(A76326)	△	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
(A76332)	◇	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

BETA	RUDDER	RUDFLR
0.000	0.000	10.000
0.000	15.000	10.000
0.000	15.000	40.000

REFERENCE INFORMATION

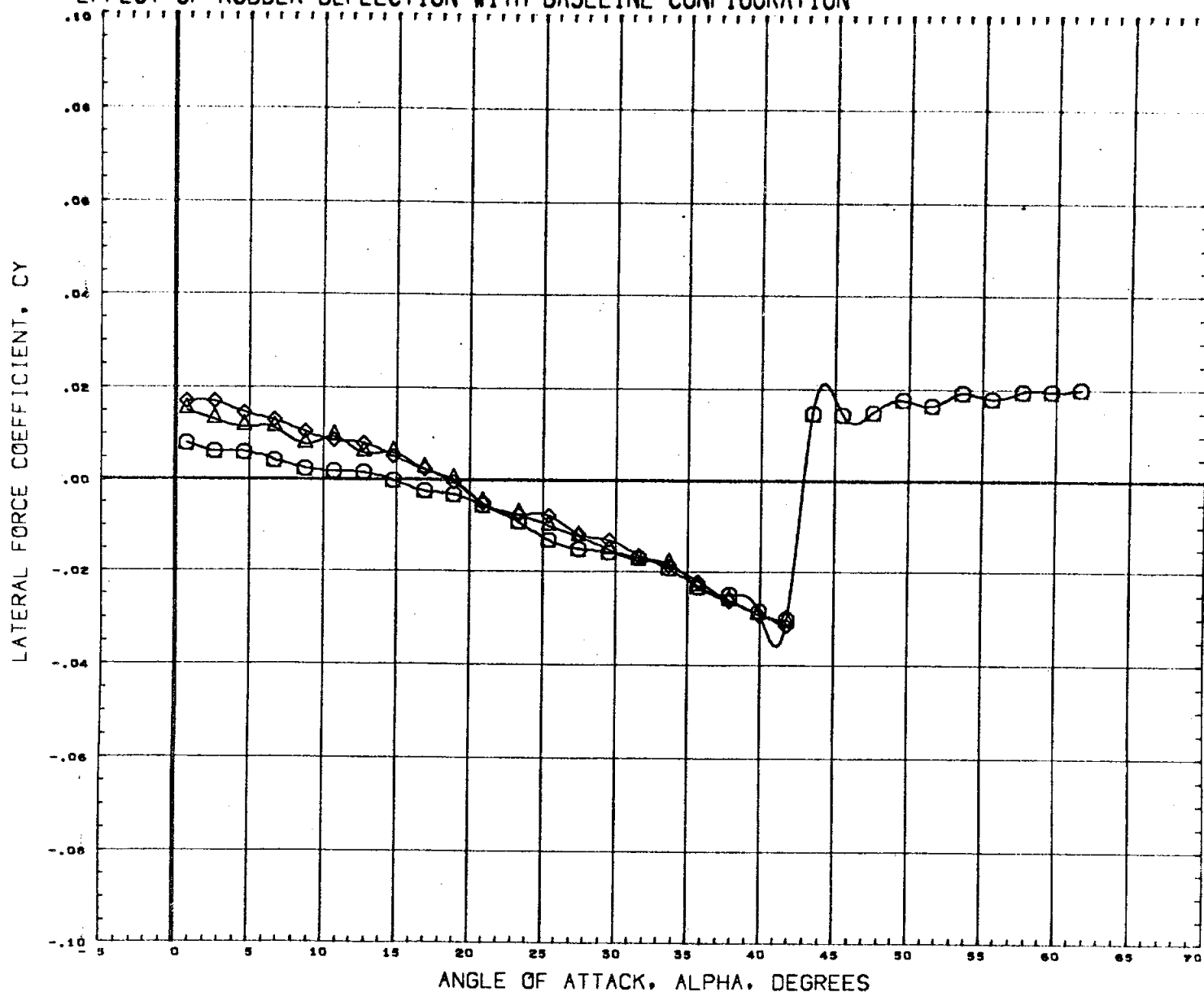
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BREF	4.0300	IN.
XMRP	3.4550	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH

2.99

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EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION



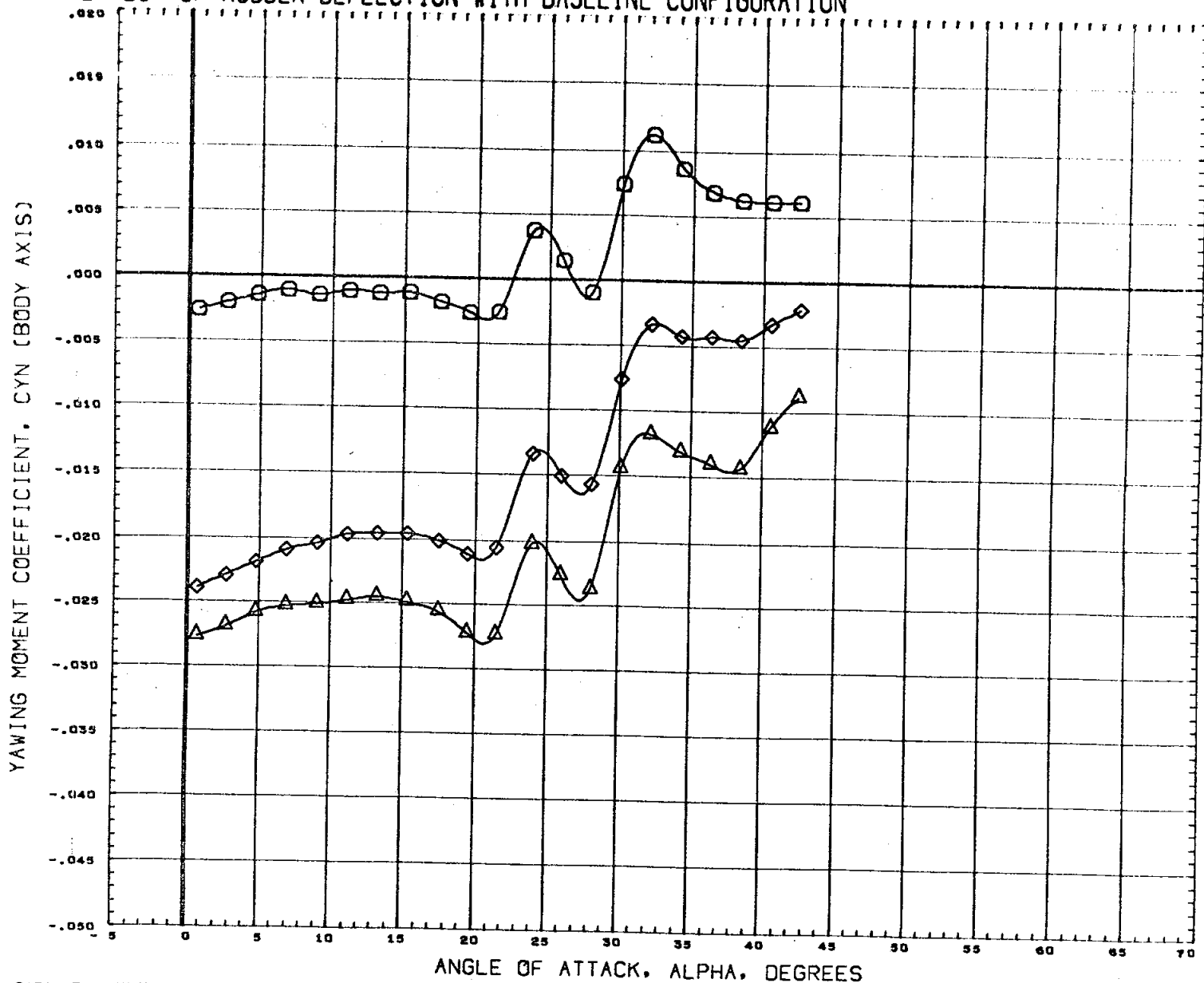
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUDFLR
(A76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000
(A76526)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	15.000	10.000
(A76532)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	15.000	40.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 4.96

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EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(A76305) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

(A76326) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

(A76332) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

BETA RUDDER RUDFLR

0.000 0.000 10.000

0.000 15.000 10.000

0.000 15.000 40.000

REFERENCE INFORMATION

SREF 7.4190 SQ. IN.

LREF 2.1020 IN.

BREF 4.0300 IN.

XMRP 3.4530 IN.

YMRP 0.0000 IN.

ZMRP 0.0000 IN.

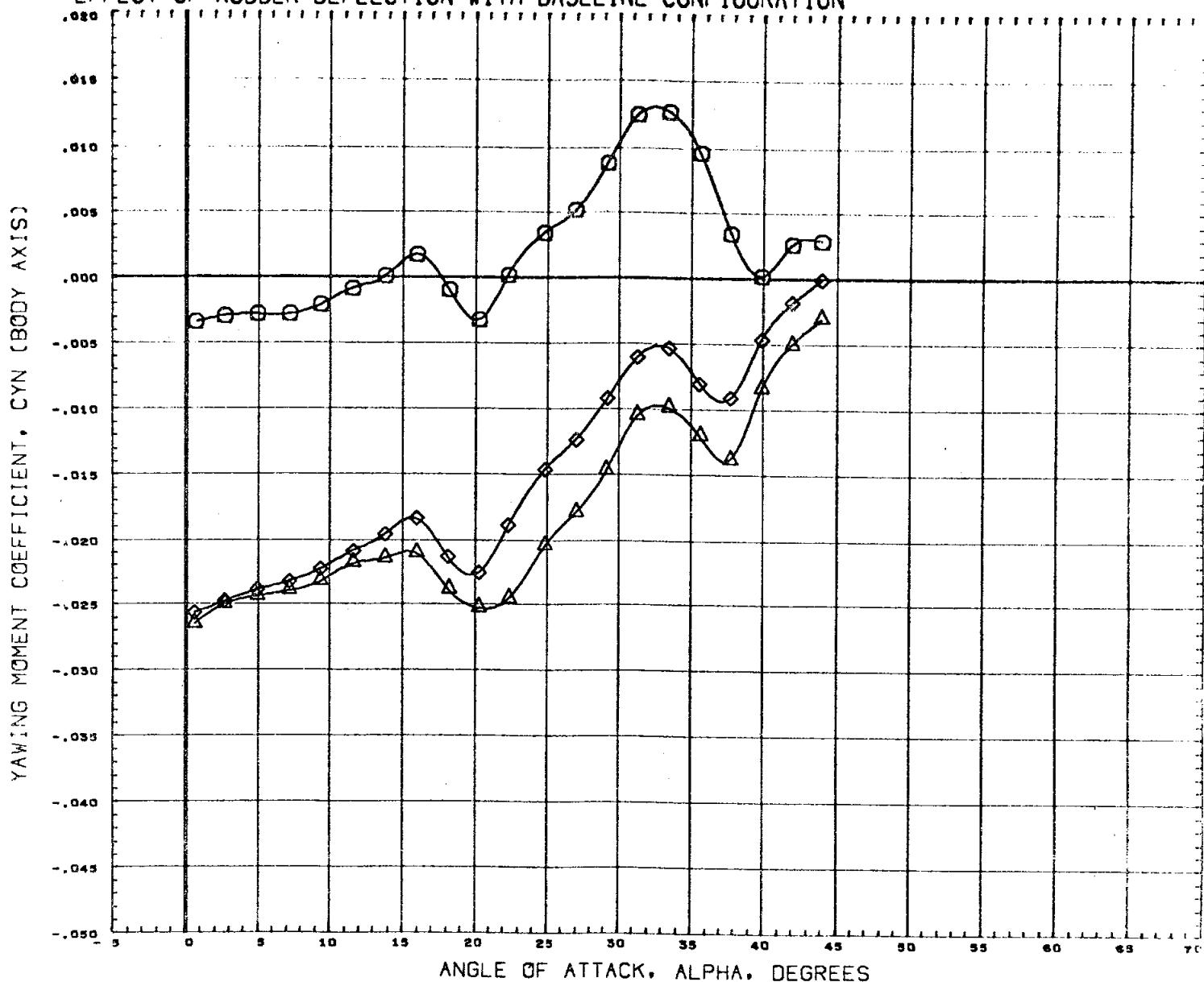
SCALE 0.0040

MACH

.59

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EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(A7630S)	○	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
(A76328)	△	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
(A76332)	◇	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

BETA	RUDDER	RUDFLR
0.000	0.000	10.000
0.000	15.000	10.000
0.000	15.000	40.000

REFERENCE INFORMATION

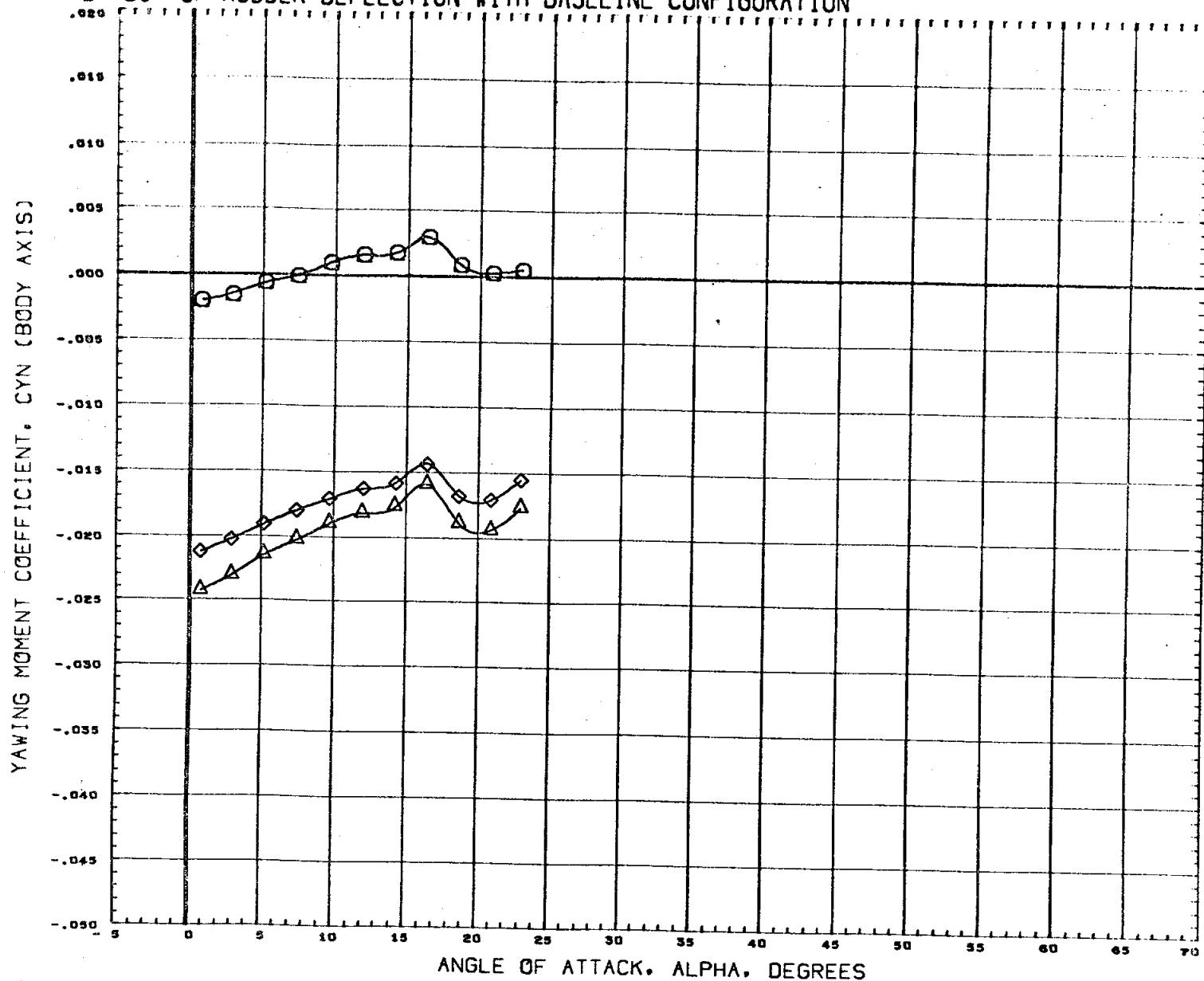
SREF	7.4190	sq. in.
LREF	2.1020	in.
BREF	4.0300	in.
XMRP	3.4530	in.
YMRP	0.0000	in.
ZMRP	0.0000	in.
SCALE	0.0040	

MACH

.90

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EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION



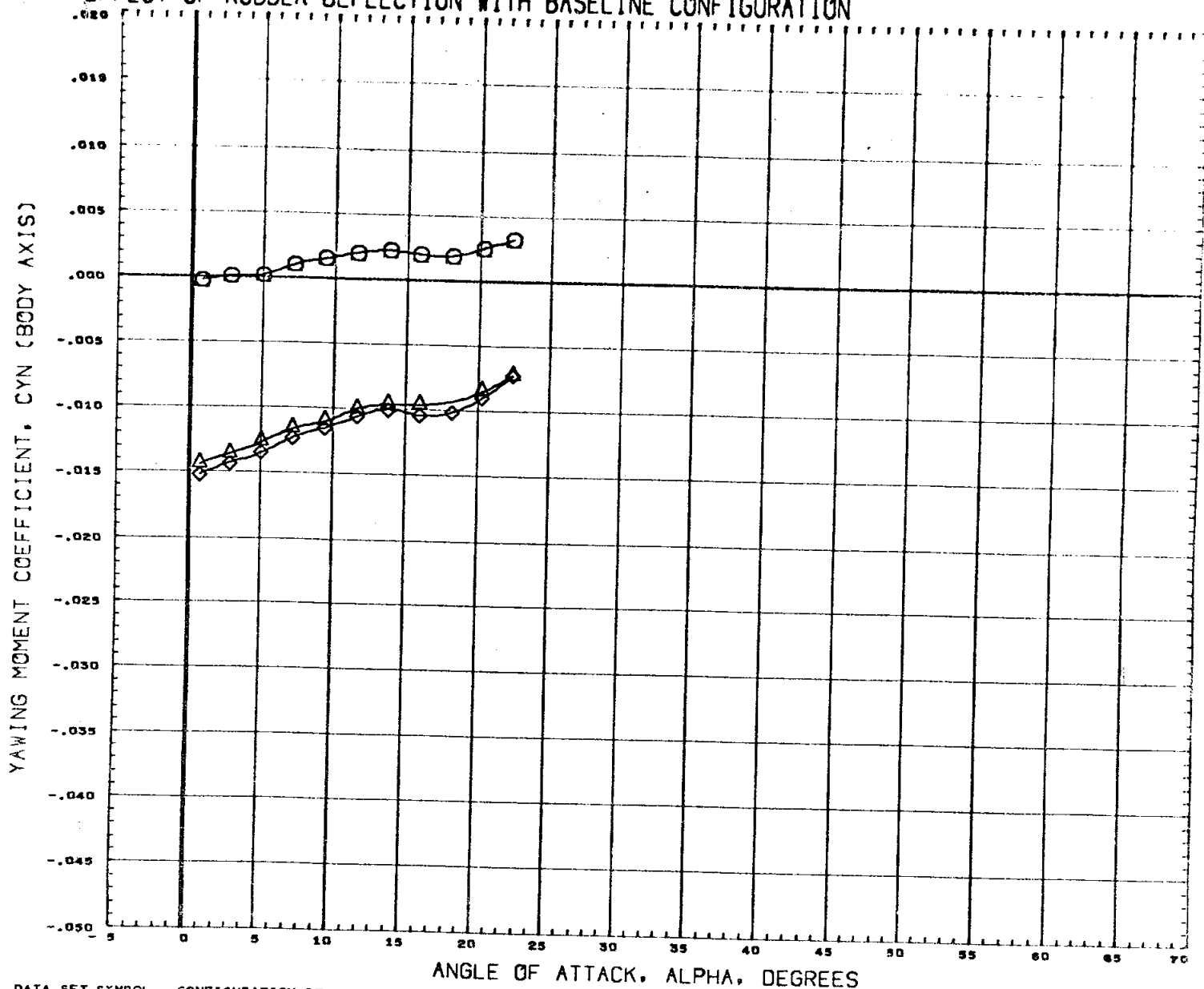
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(A7630S)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
(A76328)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
(A76332)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

BETA	RUDDER	RUDDL
0.000	0.000	10.000
0.000	15.000	10.000
0.000	15.000	40.000

REFERENCE INFORMATION		
SREF	7.4190	50 IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 1.20

EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION

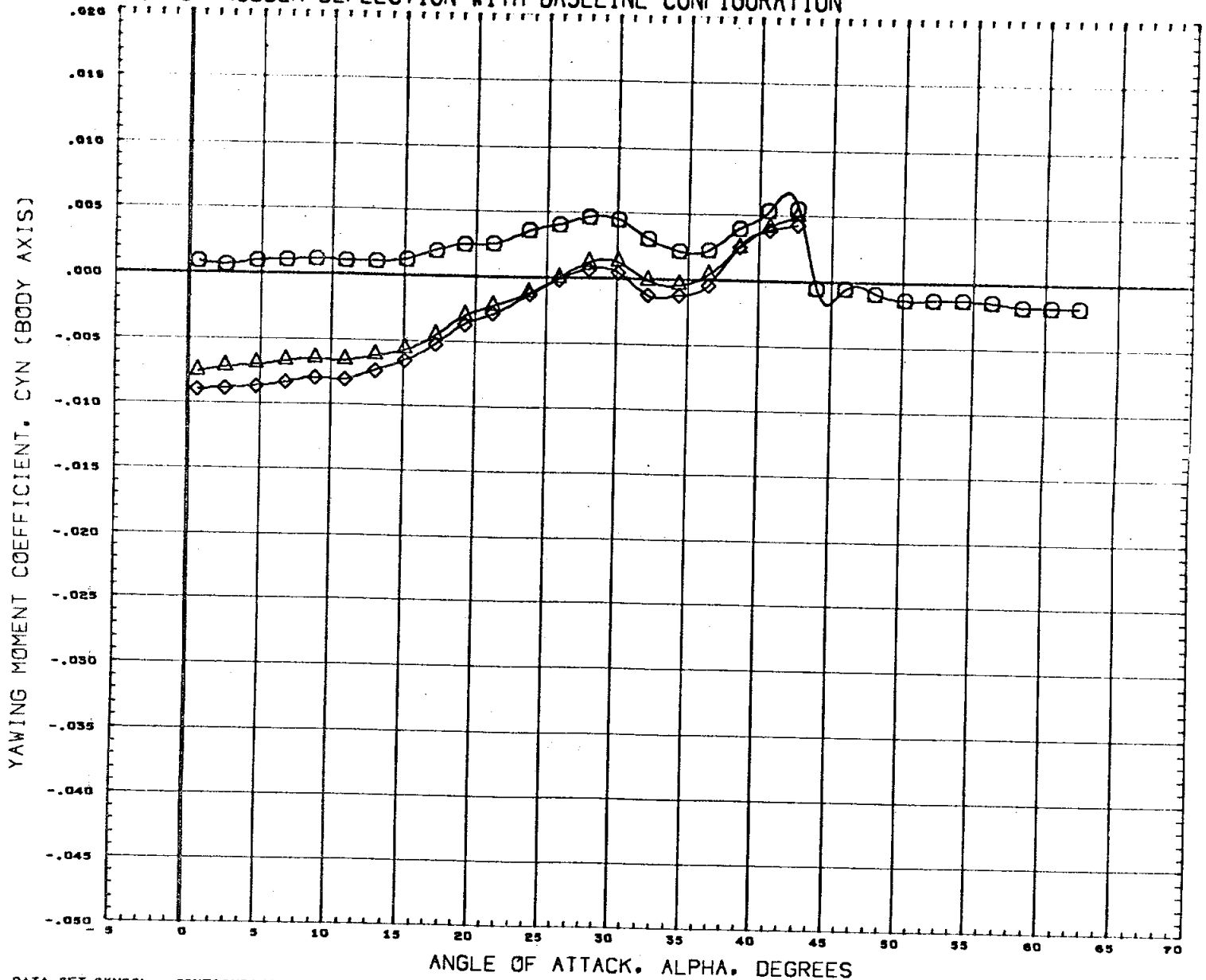


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	RUDFLR
(A76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000
(A76528)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	15.000	10.000
(A76532)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	15.000	40.000

REFERENCE INFORMATION		
SREF	7.4190	sq. in.
LREF	2.1020	in.
BREF	4.0300	in.
XMRP	3.4530	in.
YMRP	0.0000	in.
ZMRP	0.0000	in.
SCALE	0.0040	

MACH 1.97

EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(A76305) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
 (A76526) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
 (A76532) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

BETA	RUDDER	RUDFLR
0.000	0.000	10.000
0.000	10.000	10.000
0.000	10.000	40.000

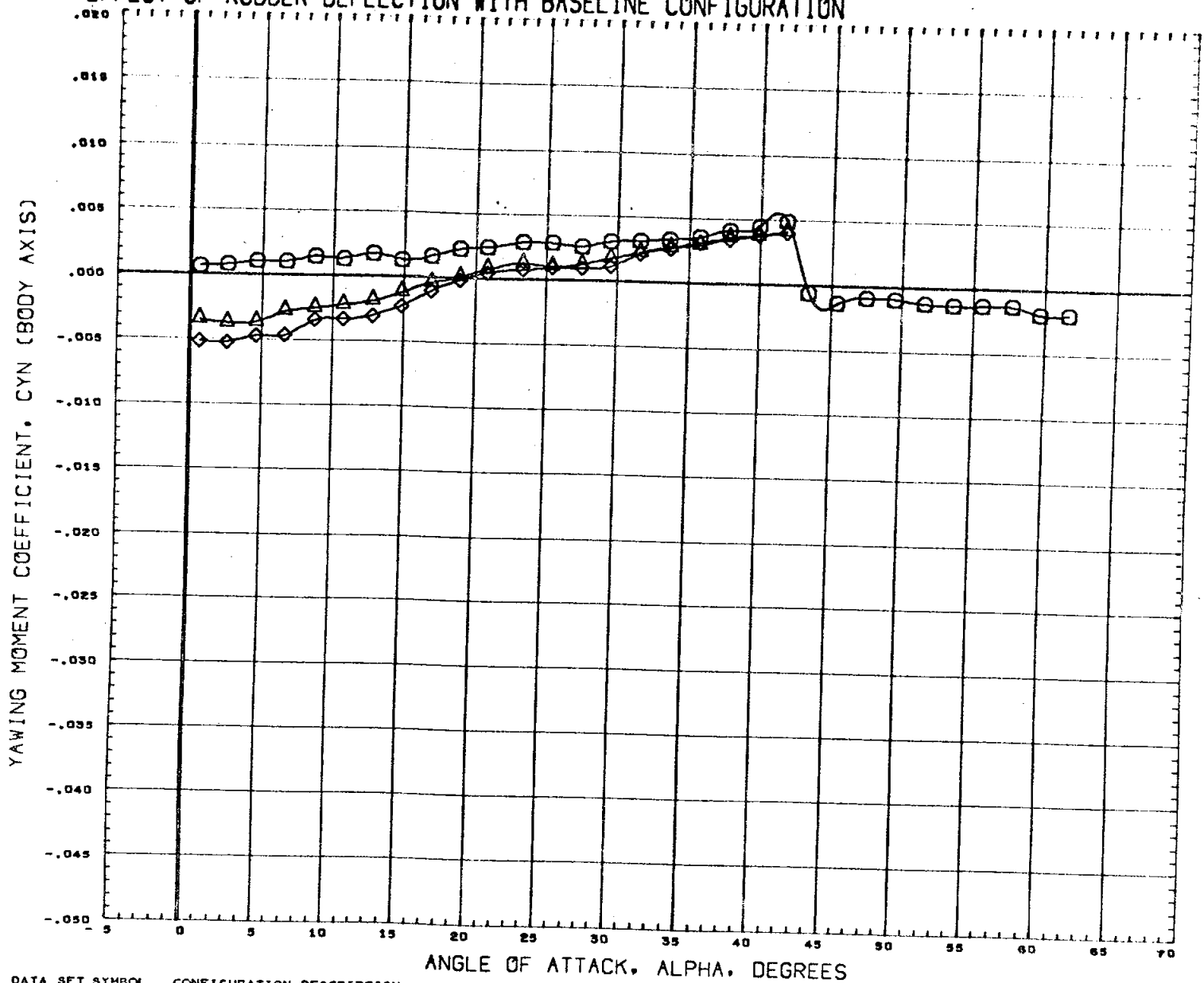
REFERENCE INFORMATION

SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 2.99

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EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(A76308)	○	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
(A76328)	△	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
(A76332)	◇	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

BETA	RUDDER	RUDFLR
0.000	0.000	10.000
0.000	15.000	10.000
0.000	15.000	40.000

REFERENCE INFORMATION

SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

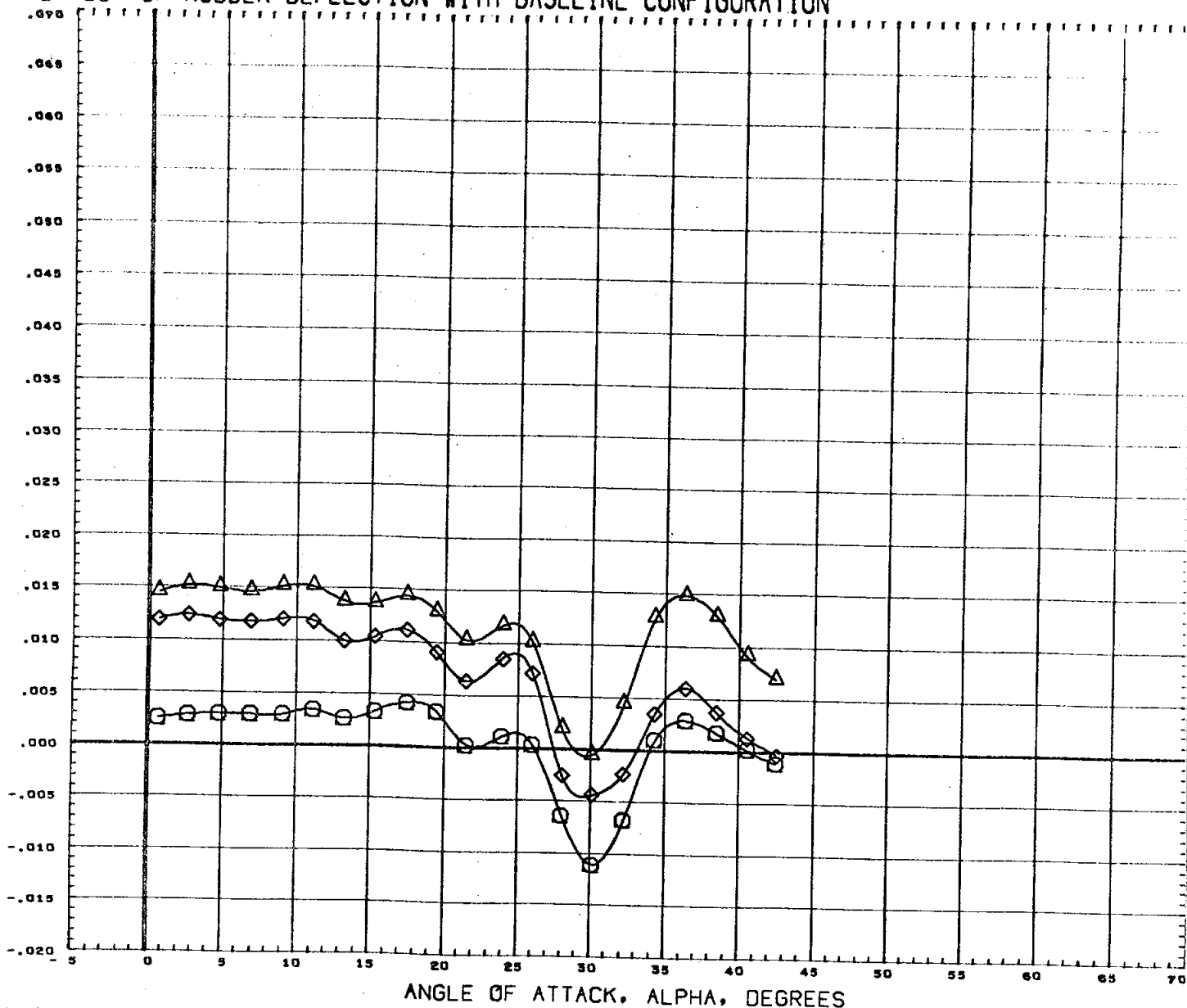
MACH

4.96

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EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(A76305)	□	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
(A76S28)	◇	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
(A76S32)	△	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

BETA	RUDDER	RUDFLR
0.000	0.000	10.000
0.000	15.000	10.000
0.000	15.000	40.000

REFERENCE INFORMATION

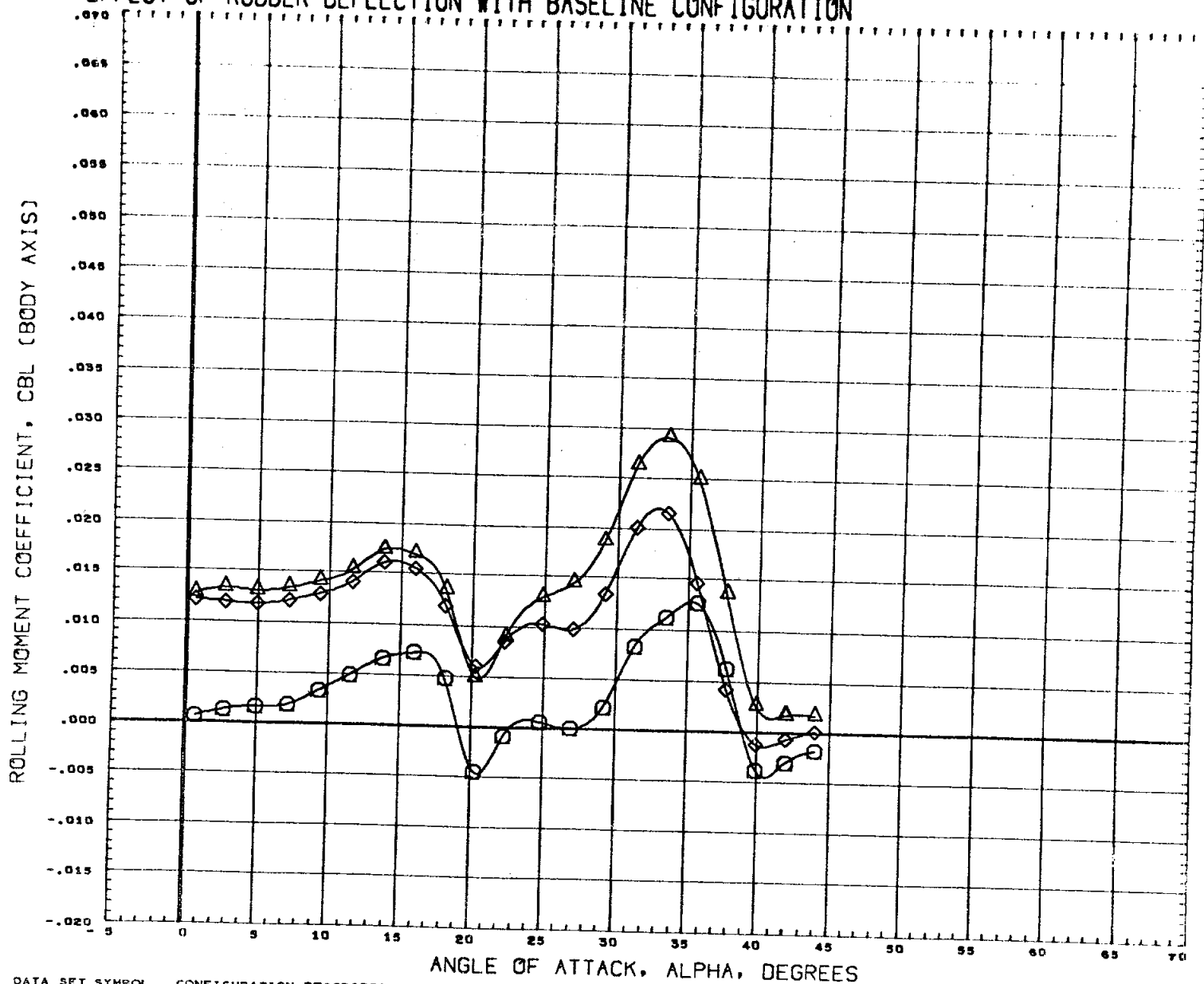
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LREF	2.1020	IN.
BREF	4.0300	IN.
XMRF	3.4530	IN.
YMRF	0.0000	IN.
ZMRF	0.0000	IN.
SCALE	0.0040	

MACH

.59

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EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(A76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
(A76328)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
(A76332)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

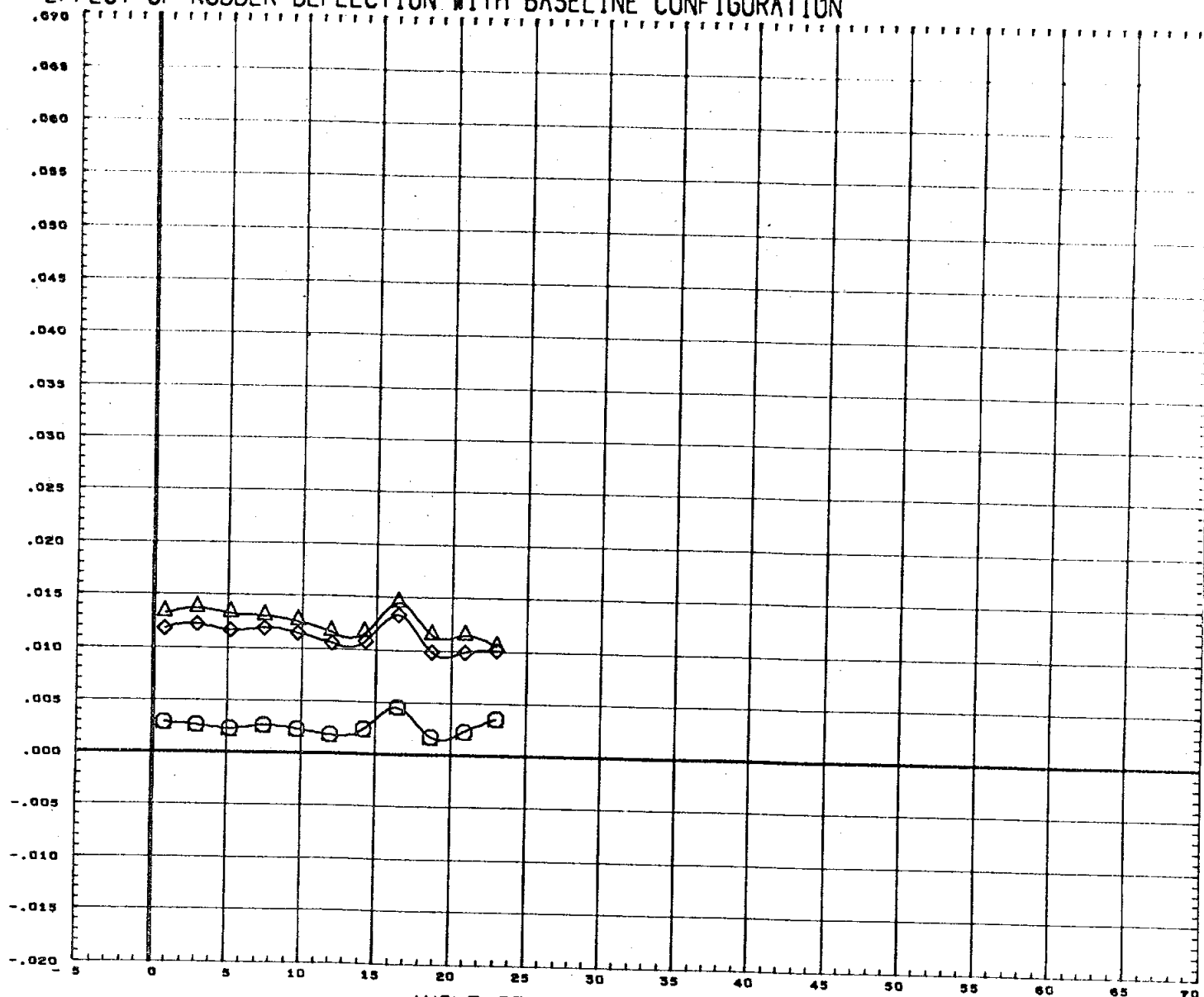
BETA	RUDDER	RUDFLR
0.000	0.000	10.000
0.000	15.000	10.000
0.000	15.000	40.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRF	3.4530	IN.
YMRF	0.0000	IN.
ZMRF	0.0000	IN.
SCALE	0.0040	

MACH .90

EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



ANGLE OF ATTACK, ALPHA, DEGREES

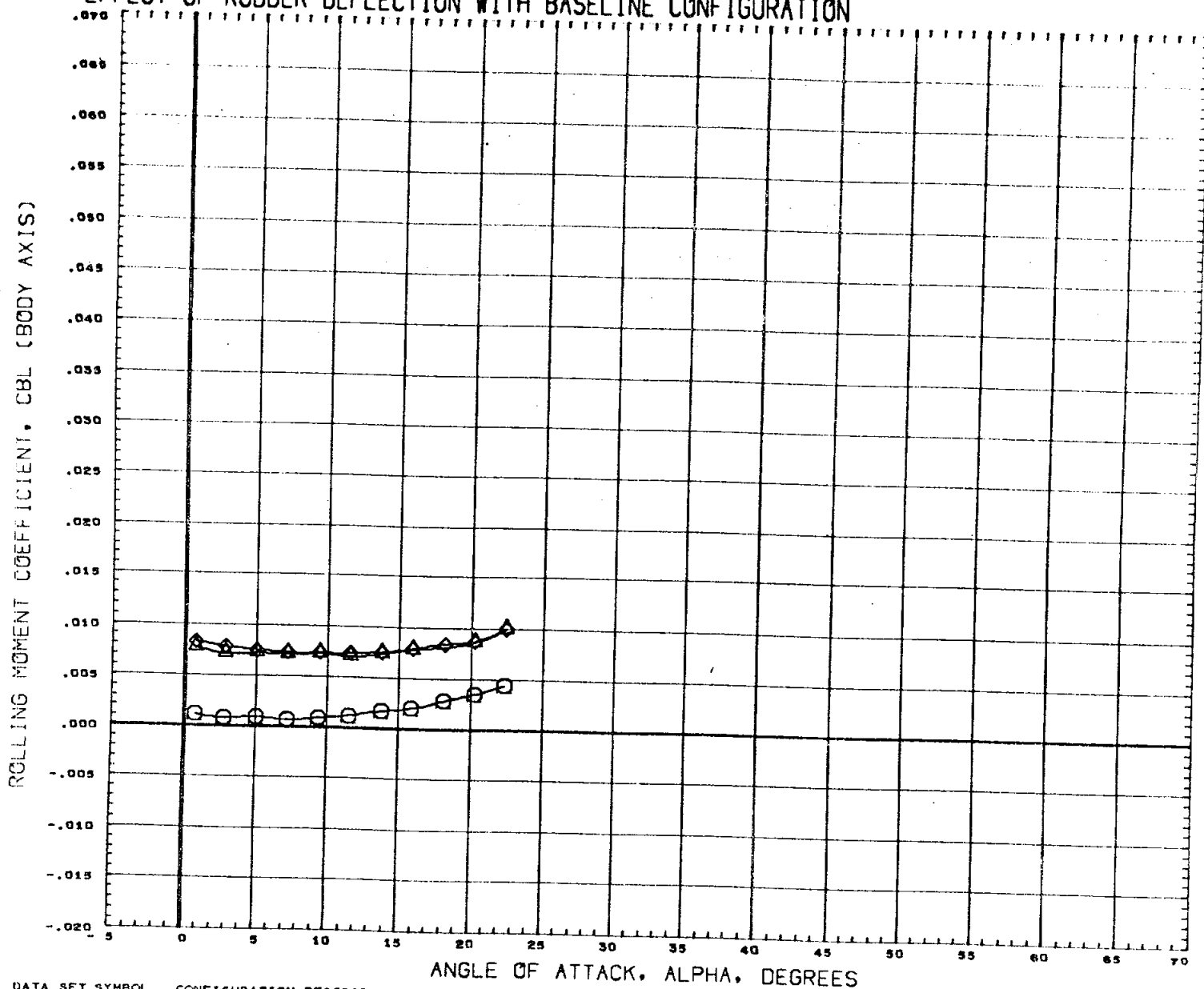
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(A76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
(A76328)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
(A76332)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

BETA	RUDDER	RUDFLR
0.000	0.000	10.000
0.000	15.000	10.000
0.000	15.000	40.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 1.20

EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(A7630S)	○	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
(A76528)	△	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
(A76332)	◇	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

BETA	RUDDER	RUDFLR
0.000	0.000	10.000
0.000	15.000	10.000
0.000	15.000	40.000

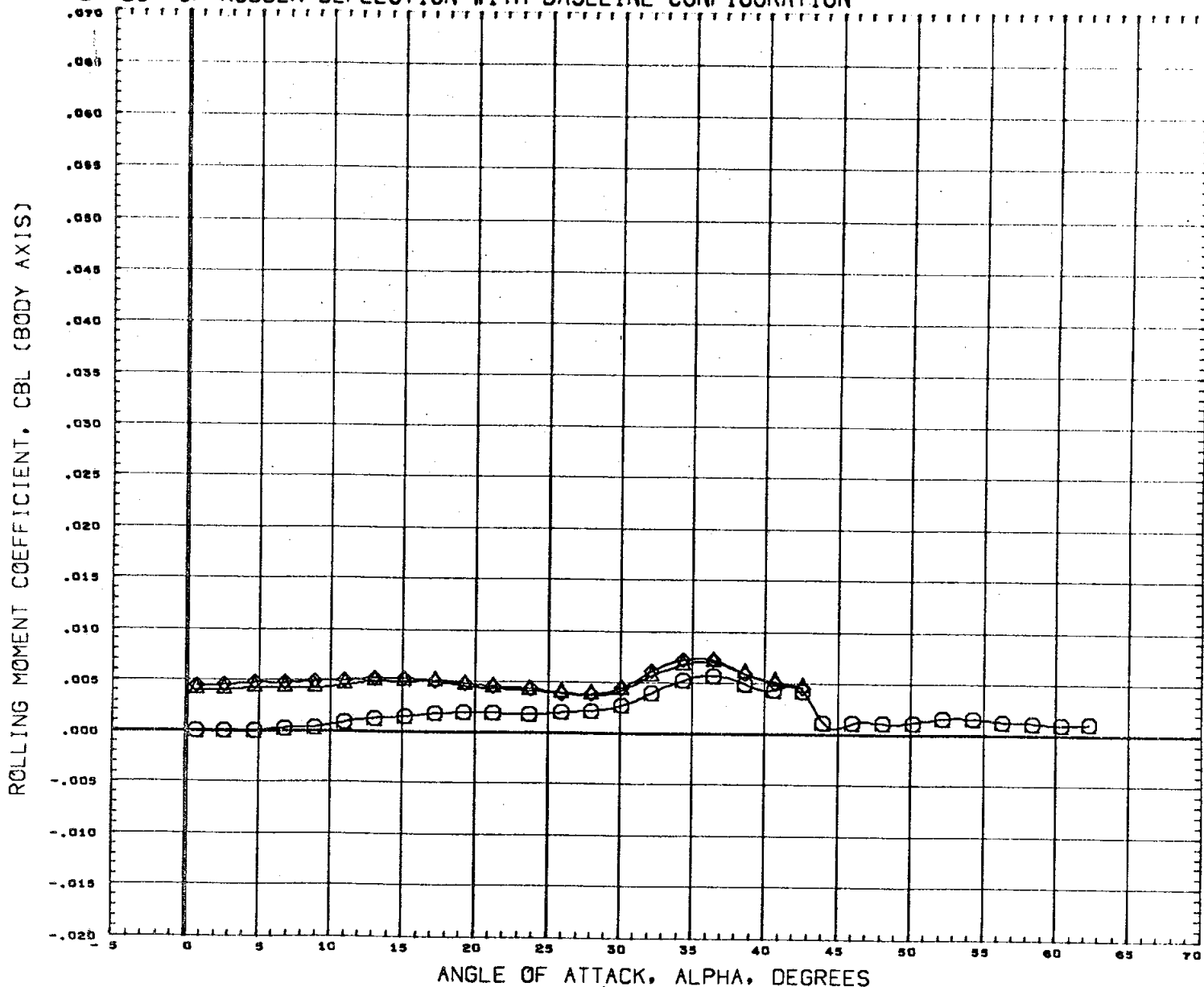
REFERENCE INFORMATION

SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4330	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH

1.97

EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(A76305)	○	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
(A76328)	△	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
(A76332)	◇	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

BETA	RUDDER	RUDFLR
0.000	0.000	10.000
0.000	15.000	10.000
0.000	15.000	40.000

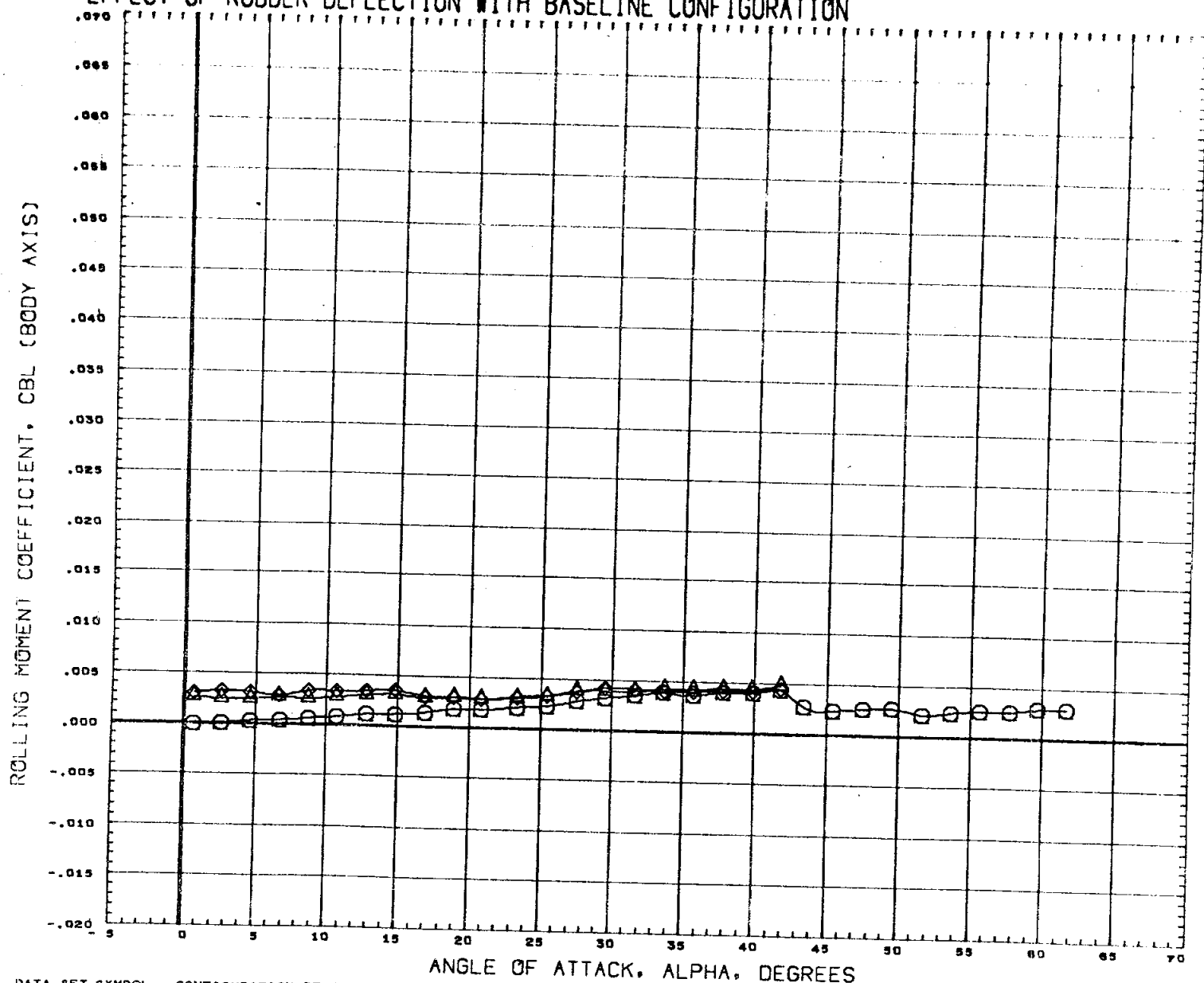
REFERENCE INFORMATION

SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 2.99

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EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(A7630S)	○	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
(A76326)	△	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
(A76332)	◇	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

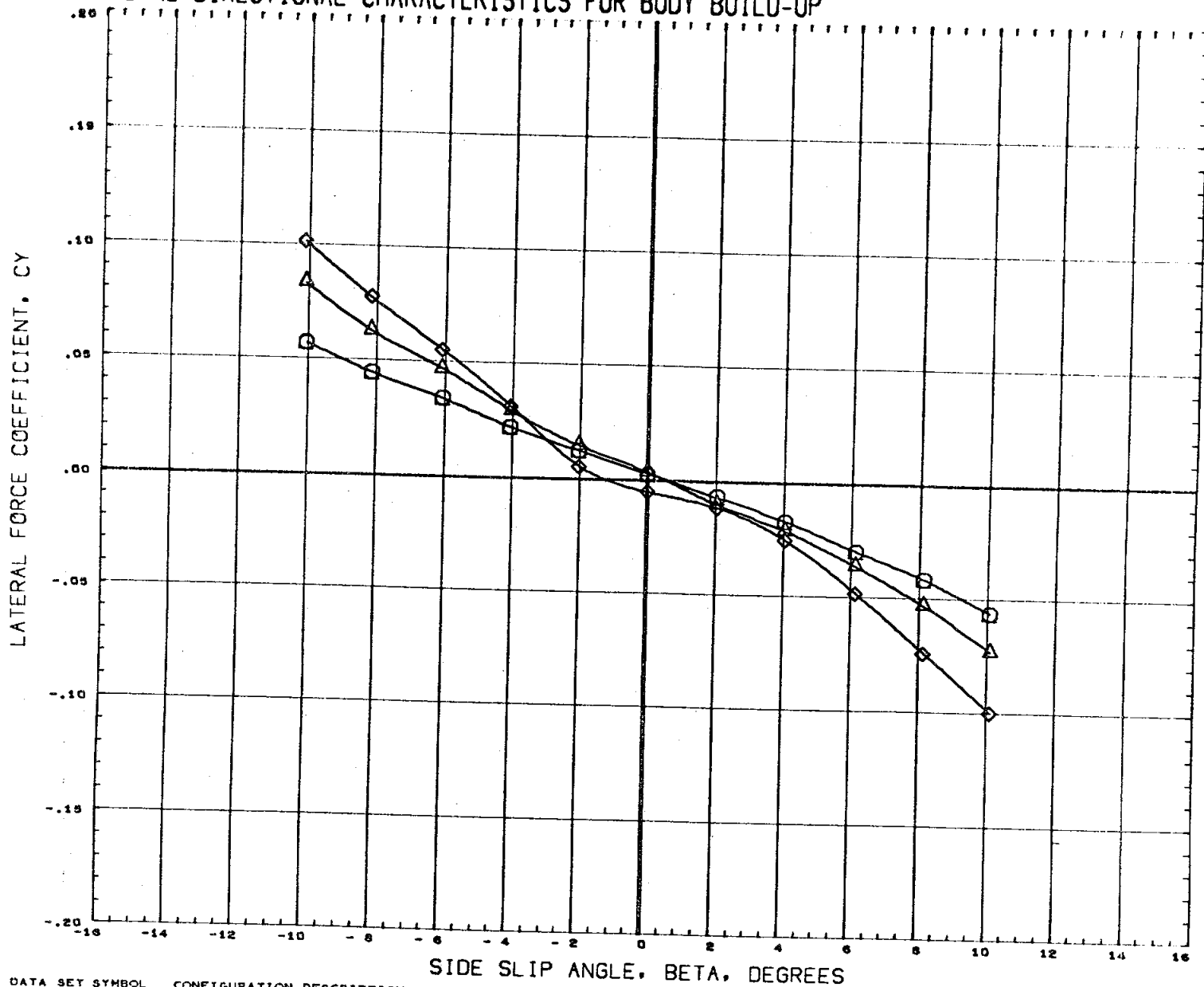
BETA	RUDDER	RUDFLR
0.000	0.000	10.000
0.000	15.000	10.000
0.000	15.000	40.000

REFERENCE INFORMATION

SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 4.96

LATERAL-DIRECTIONAL CHARACTERISTICS FOR BODY BUILD-UP



DATA SET SYMBOL CONFIGURATION DESCRIPTION
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 (A76105) M555(FA3) NAR ATP ORB (B1C1D1F1M1)
 (A76106) M555(FA3) NAR ATP ORB (B1C1D1F1M1)
 (A76107) DATA NOT AVAILABLE FOR ALL CONDITIONS
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ALPHA
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 20.000
 30.000
 50.000

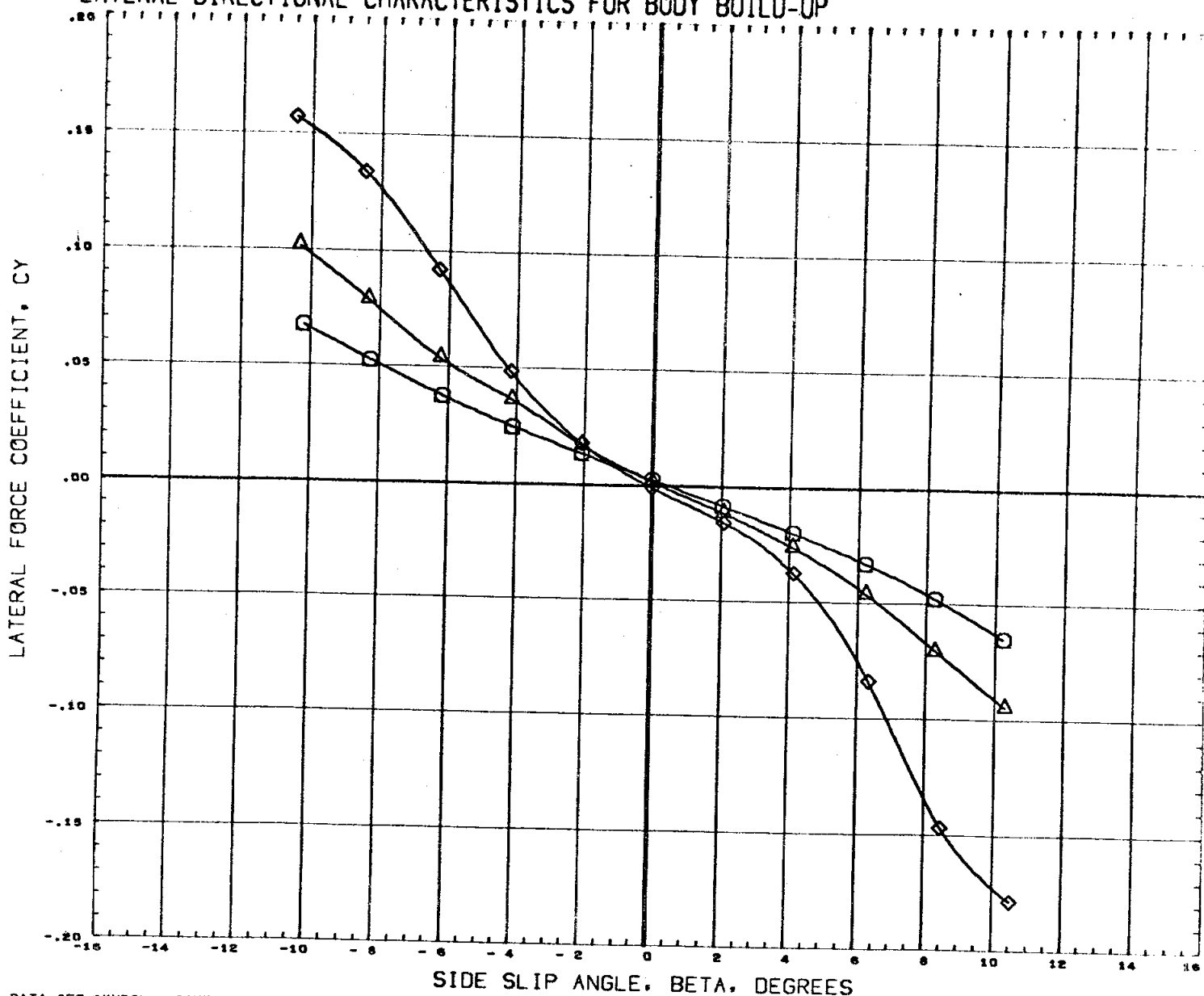
ELEVTR RUDFLR RUDDER

REFERENCE INFORMATION
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 LREF 2.1020 IN.
 BREF 4.0300 IN.
 XMRP 3.4530 IN.
 YMRP 0.0000 IN.
 ZMRP 0.0000 IN.
 SCALE 0.0040

MACH

.59

LATERAL-DIRECTIONAL CHARACTERISTICS FOR BODY BUILD-UP

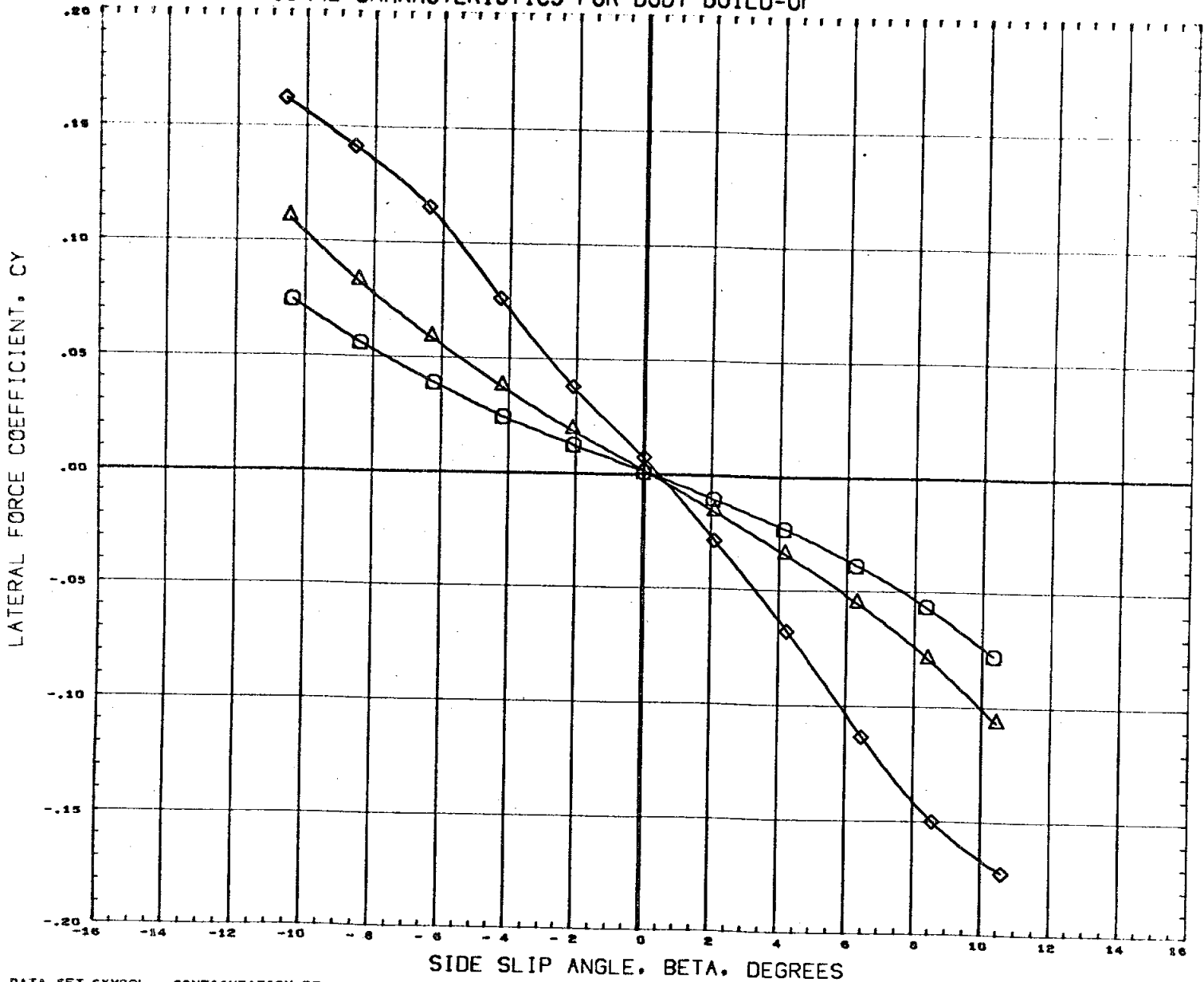


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 (A76106) M555 (FA3) NAR ATP ORB (B1C1D1F1M1)
 (A76107) DATA NOT AVAILABLE FOR ALL CONDITIONS
 (A76108) DATA NOT AVAILABLE FOR ALL CONDITIONS

ALPHA	ELEVTR	RUDFLR	RUDDER	REFERENCE INFORMATION
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10.000				LREF 2.1020 IN.
20.000				BREF 4.0300 IN.
30.000				XMRF 3.4530 IN.
50.000				YMRF 0.0000 IN.
				ZMRF 0.0000 IN.
				SCALE 0.0040

MACH .90

LATERAL-DIRECTIONAL CHARACTERISTICS FOR BODY BUILD-UP



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(A76104) M555 (FA3) NAR ATP ORB (B1C1D1F1M1)

(A76105) M555 (FA3) NAR ATP ORB (B1C1D1F1M1)

(A76106) M555 (FA3) NAR ATP ORB (B1C1D1F1M1)

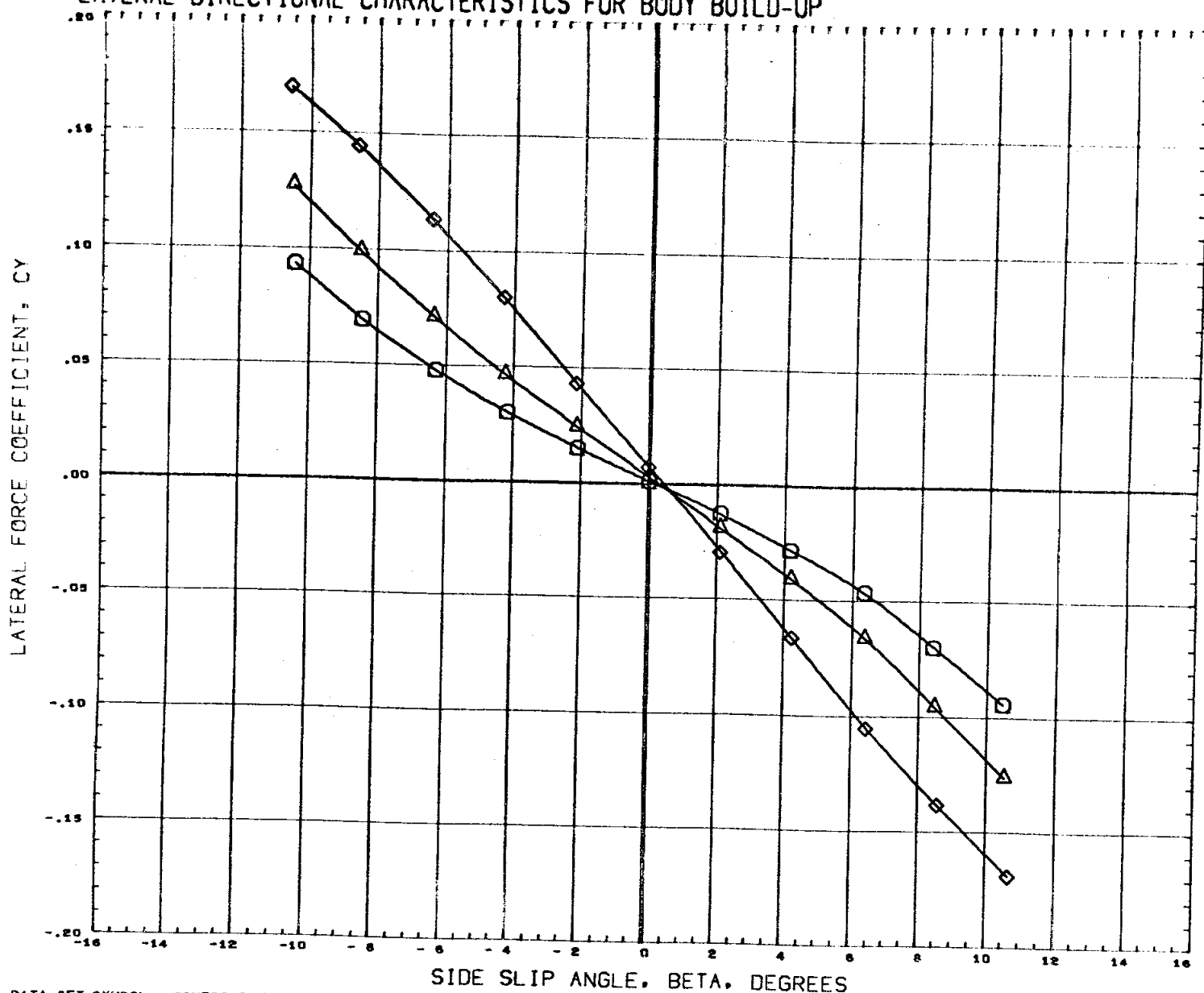
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(A76108) DATA NOT AVAILABLE FOR ALL CONDITIONS

ALPHA	ELEVTR	RUDFLR	RUDDER	REFERENCE INFORMATION
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10.000				LREF 2.1020 IN.
20.000				BREF 4.0300 IN.
30.000				XMRP 3.4530 IN.
50.000				YMRP 0.0000 IN.
				ZMRP 0.0000 IN.
				SCALE 0.0040

MACH 1.20

LATERAL-DIRECTIONAL CHARACTERISTICS FOR BODY BUILD-UP



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(A76104) M555(PA3) NAR ATP ORB (B1C1D1F1M1)
 (A76105) M555(PA3) NAR ATP ORB (B1C1D1F1M1)
 (A76106) M555(PA3) NAR ATP ORB (B1C1D1F1M1)
 (A76107) DATA NOT AVAILABLE FOR ALL CONDITIONS
 (A76108) DATA NOT AVAILABLE FOR ALL CONDITIONS

ALPHA
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 10.000
 20.000
 30.000
 40.000

ELEVTR RUOFLR RUDDER

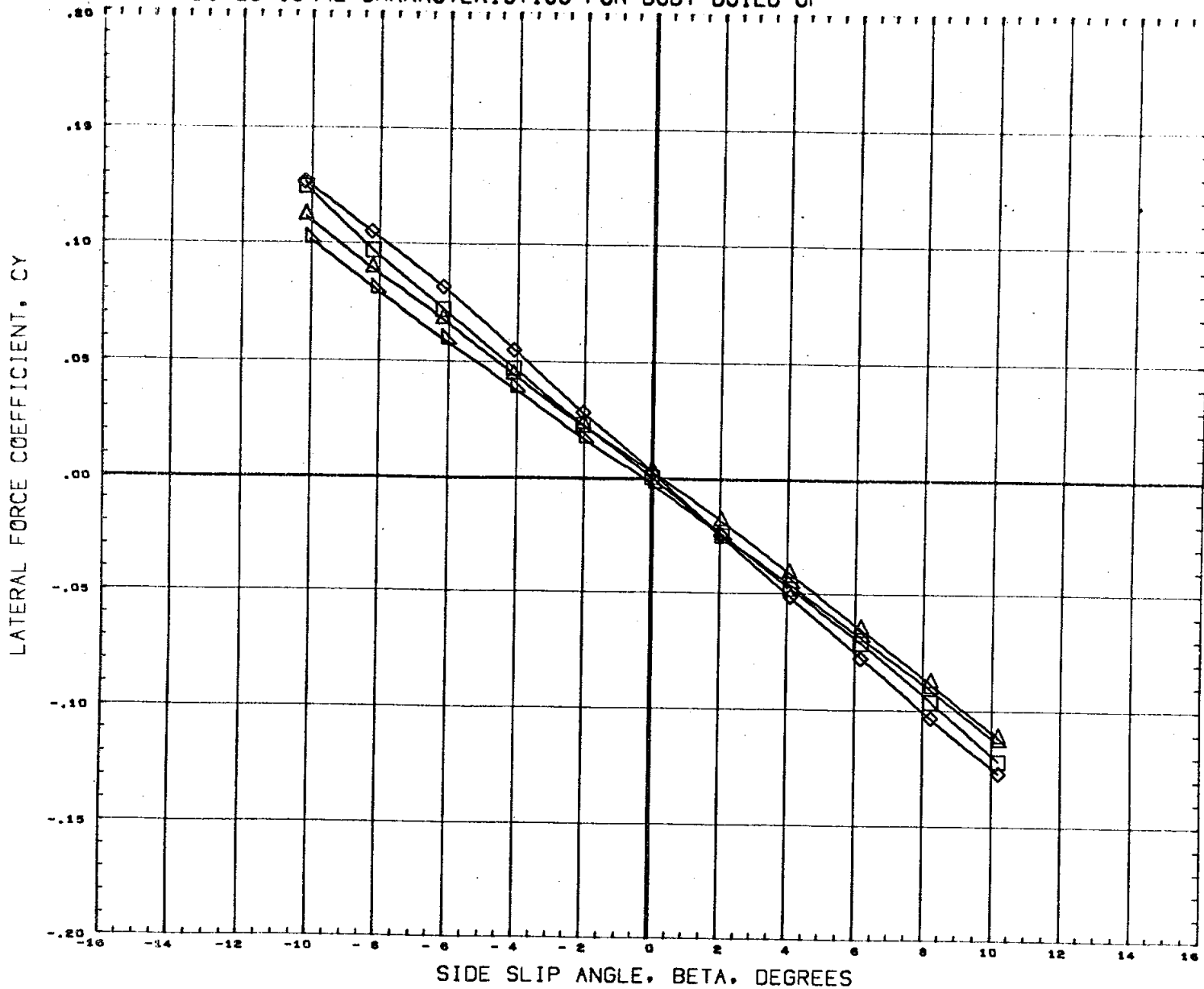
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 LREF 2.1020 IN.
 BREF 4.0300 IN.
 XMRP 3.4930 IN.
 YMRP 0.0000 IN.
 ZMRP 0.0000 IN.
 SCALE 0.0040

MACH

1.96

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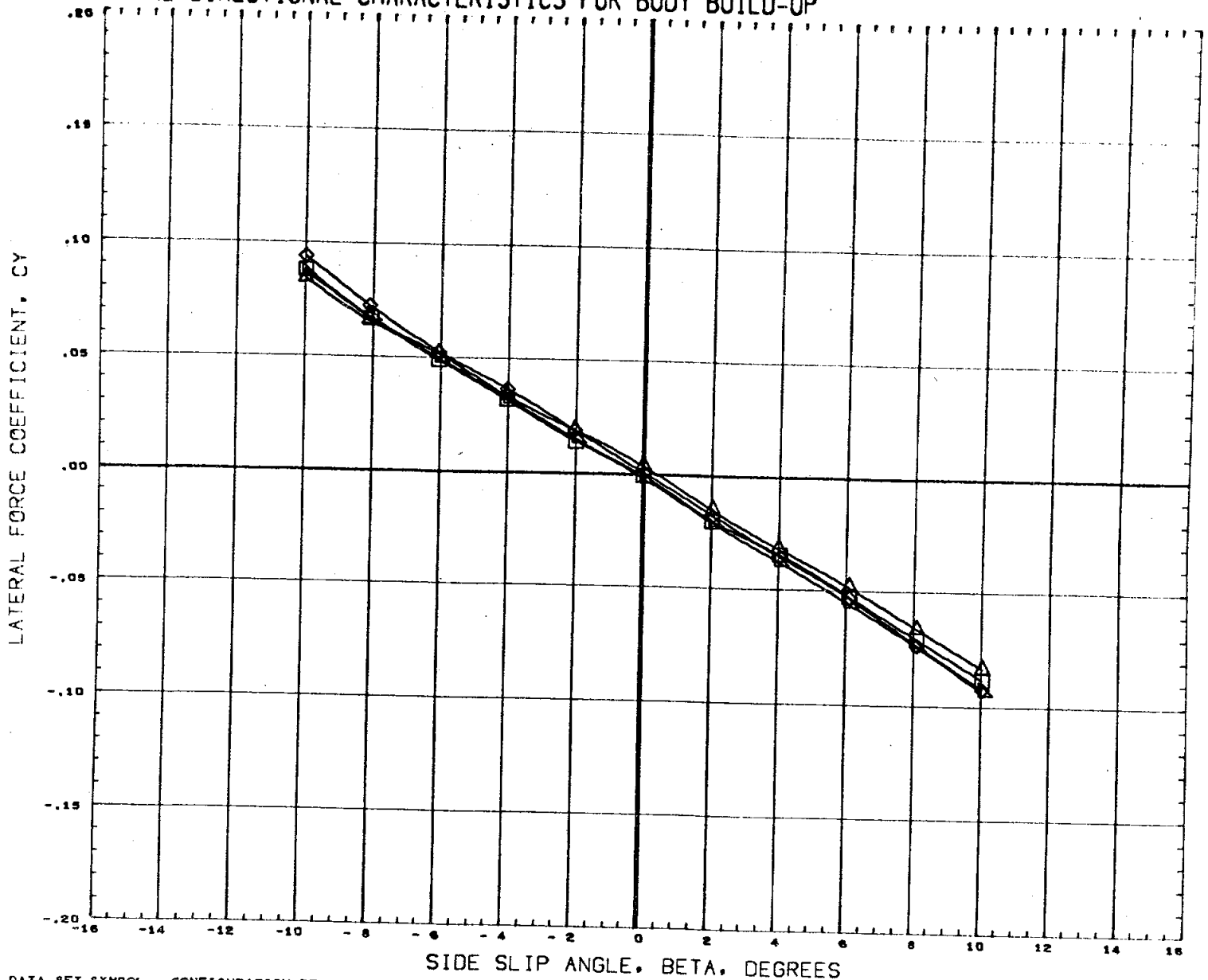
LATERAL-DIRECTIONAL CHARACTERISTICS FOR BODY BUILD-UP



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	RUDFLR	RUDDER	REFERENCE INFORMATION	
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(A76106)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1)	20.000				BREF	4.0300 IN.
(A76107)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1)	30.000				XMRP	3.4530 IN.
(A76108)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1)	50.000				YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 2.99

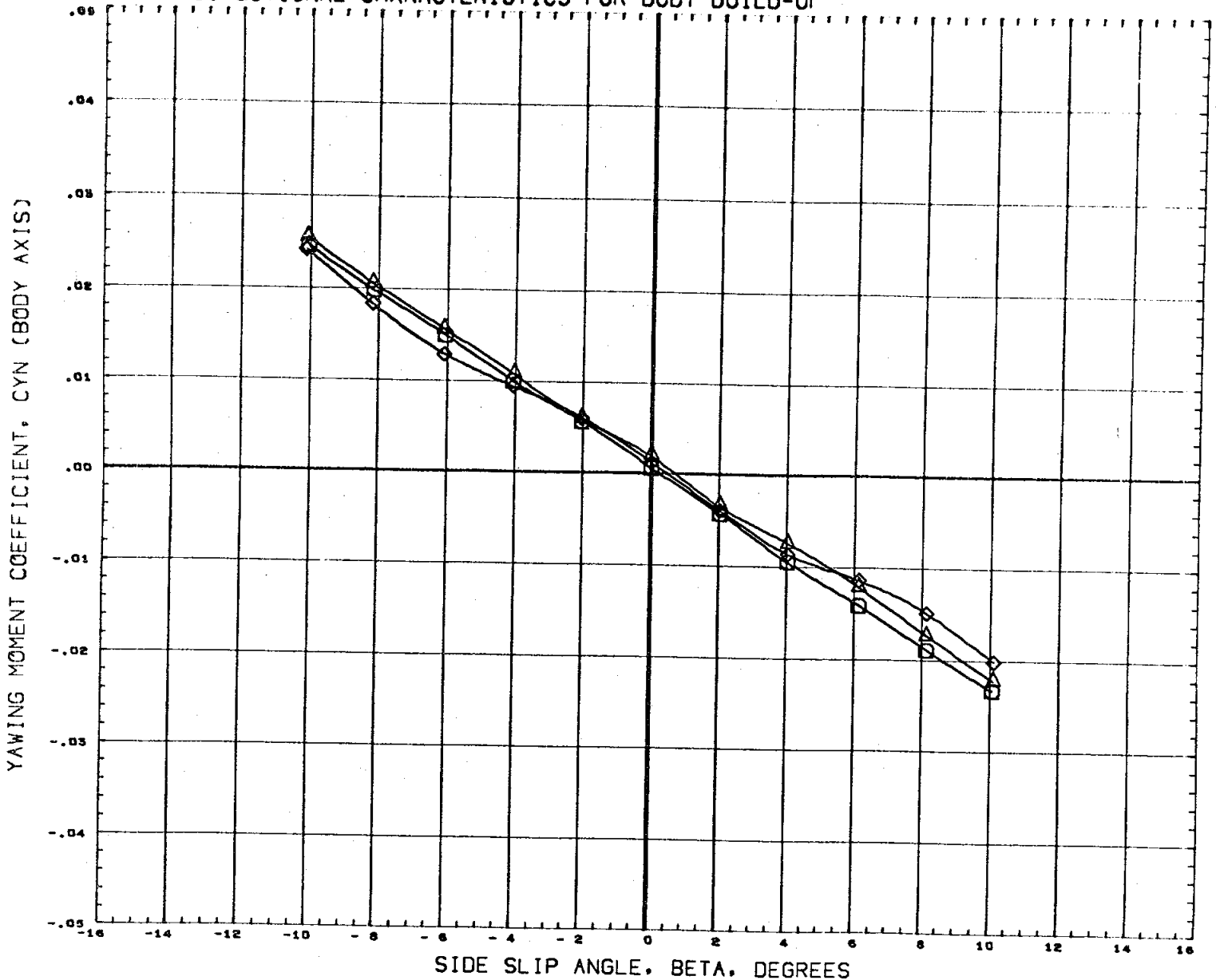
LATERAL-DIRECTIONAL CHARACTERISTICS FOR BODY BUILD-UP



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	RUDFLR	RUDDER	REFERENCE INFORMATION	
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(A76105)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1)	10.000				LREF	2.1020 IN.
(A76106)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1)	20.000				BREF	4.0300 IN.
(A76107)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1)	30.000				XMRP	3.4530 IN.
(A76108)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1)	50.000				YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 4.96

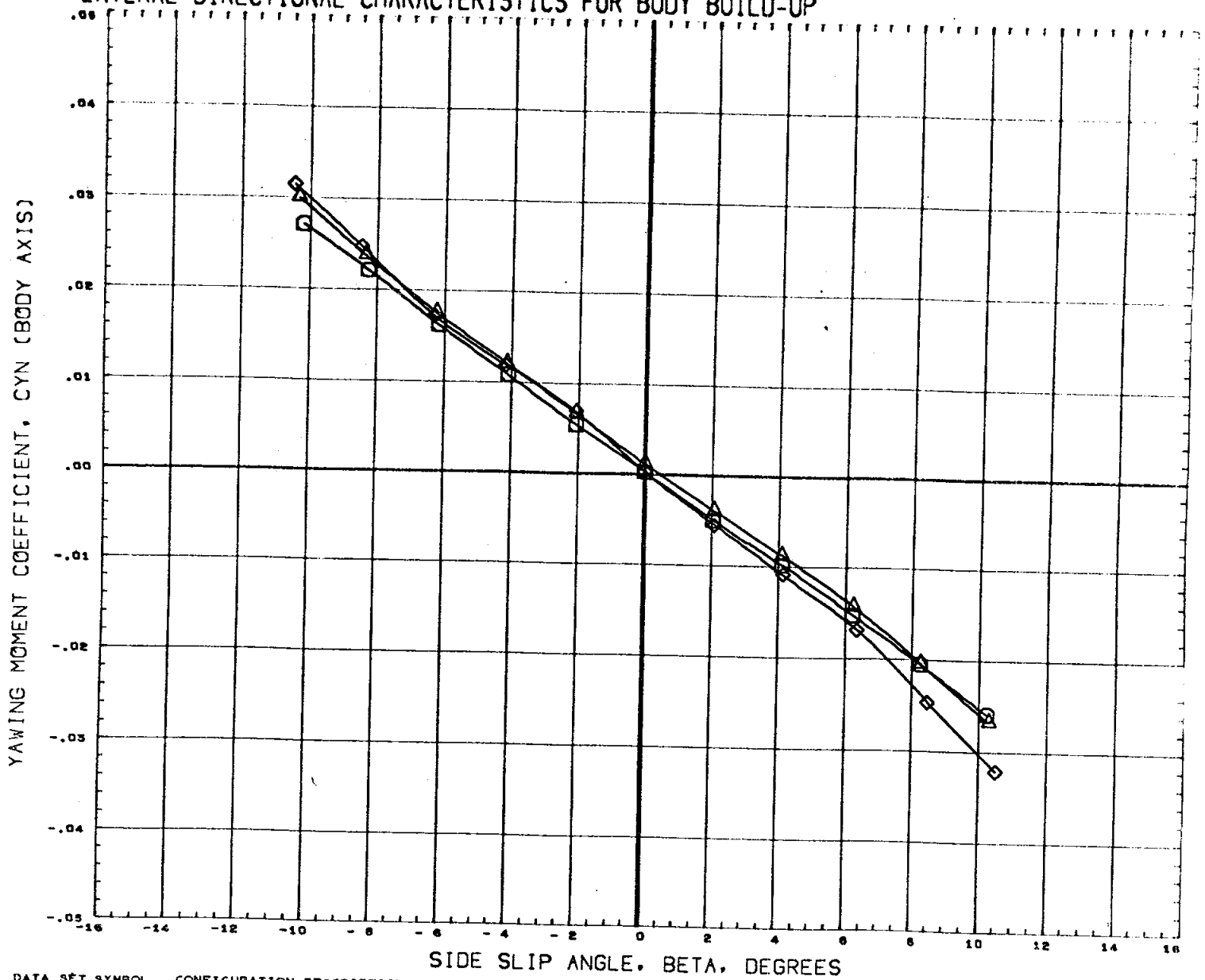
LATERAL-DIRECTIONAL CHARACTERISTICS FOR BODY BUILD-UP



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	RUDFLR	RUDDER	REFERENCE INFORMATION
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(A76105)	M555(FA3) NAR ATP ORB (B1C1D1F1M1)	10.000				LREF 2.1020 IN.
(A76106)	M555(FA3) NAR ATP ORB (B1C1D1F1M1)	20.000				BREF 4.0300 IN.
(A76107)	DATA NOT AVAILABLE FOR ALL CONDITIONS	30.000				XMRP 3.4330 IN.
(A76108)	DATA NOT AVAILABLE FOR ALL CONDITIONS	50.000				YMRP 0.0000 IN.
						ZMRP 0.0000 IN.
						SCALE 0.0040

MACH .59

LATERAL-DIRECTIONAL CHARACTERISTICS FOR BODY BUILD-UP

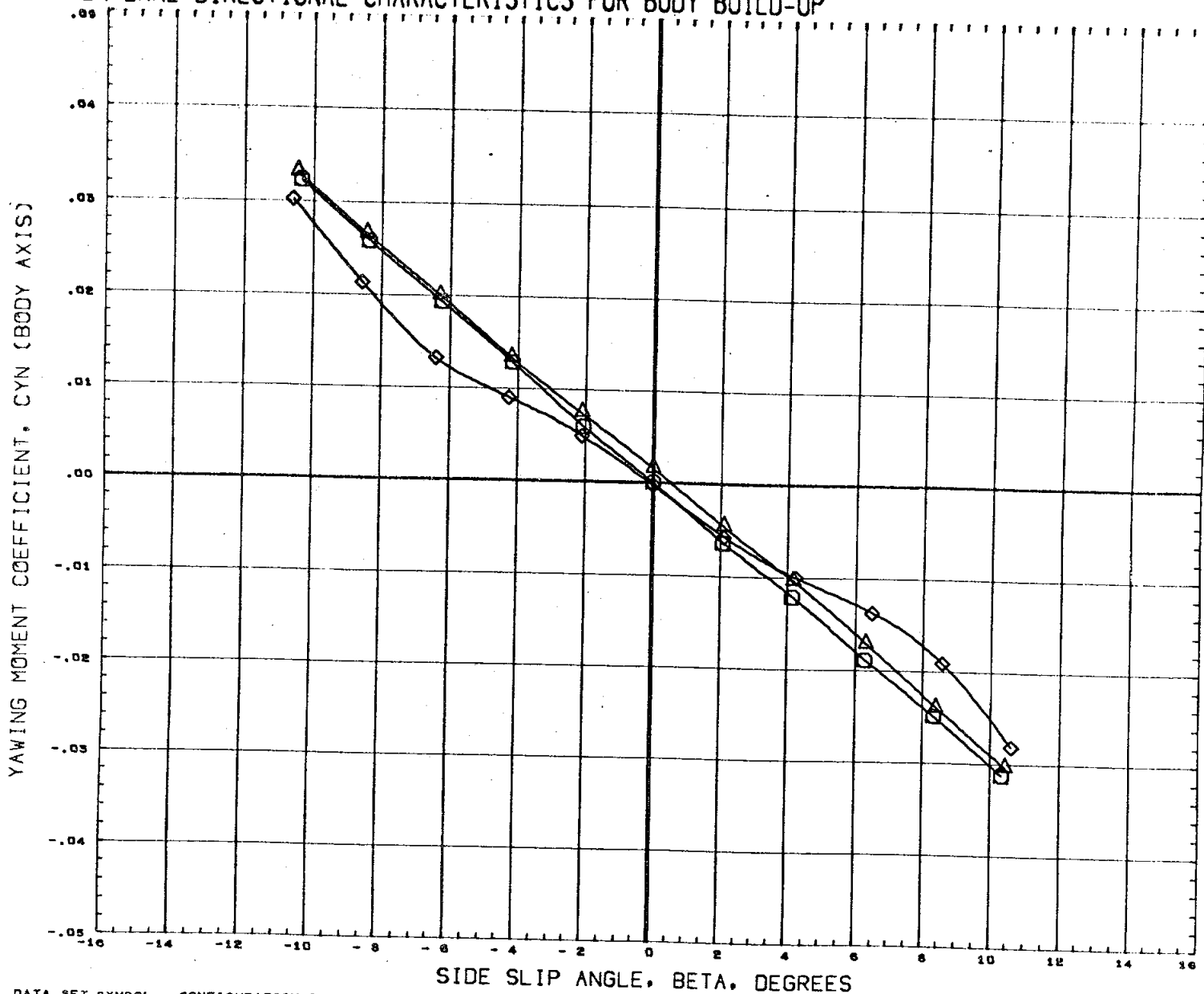


DATA SET SYMBOL	CONFIGURATION DESCRIPTION
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(A76105)	M555(FA3) NAR ATP ORB (B1C1D1F1M1)
(A76106)	M555(FA3) NAR ATP ORB (B1C1D1F1M1)
(A76107)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(A76108)	DATA NOT AVAILABLE FOR ALL CONDITIONS

ALPHA	ELEVTR	RUDFLR	RUDDER	REFERENCE INFORMATION
0.000				SREF 7.4190 SQ. IN.
10.000				LREF 2.1020 IN.
20.000				BREF 4.0300 IN.
30.000				XMRF 3.4530 IN.
50.000				YMRF 0.0000 IN.
				ZMRF 0.0000 IN.
				SCALE 0.0040

MACH .90

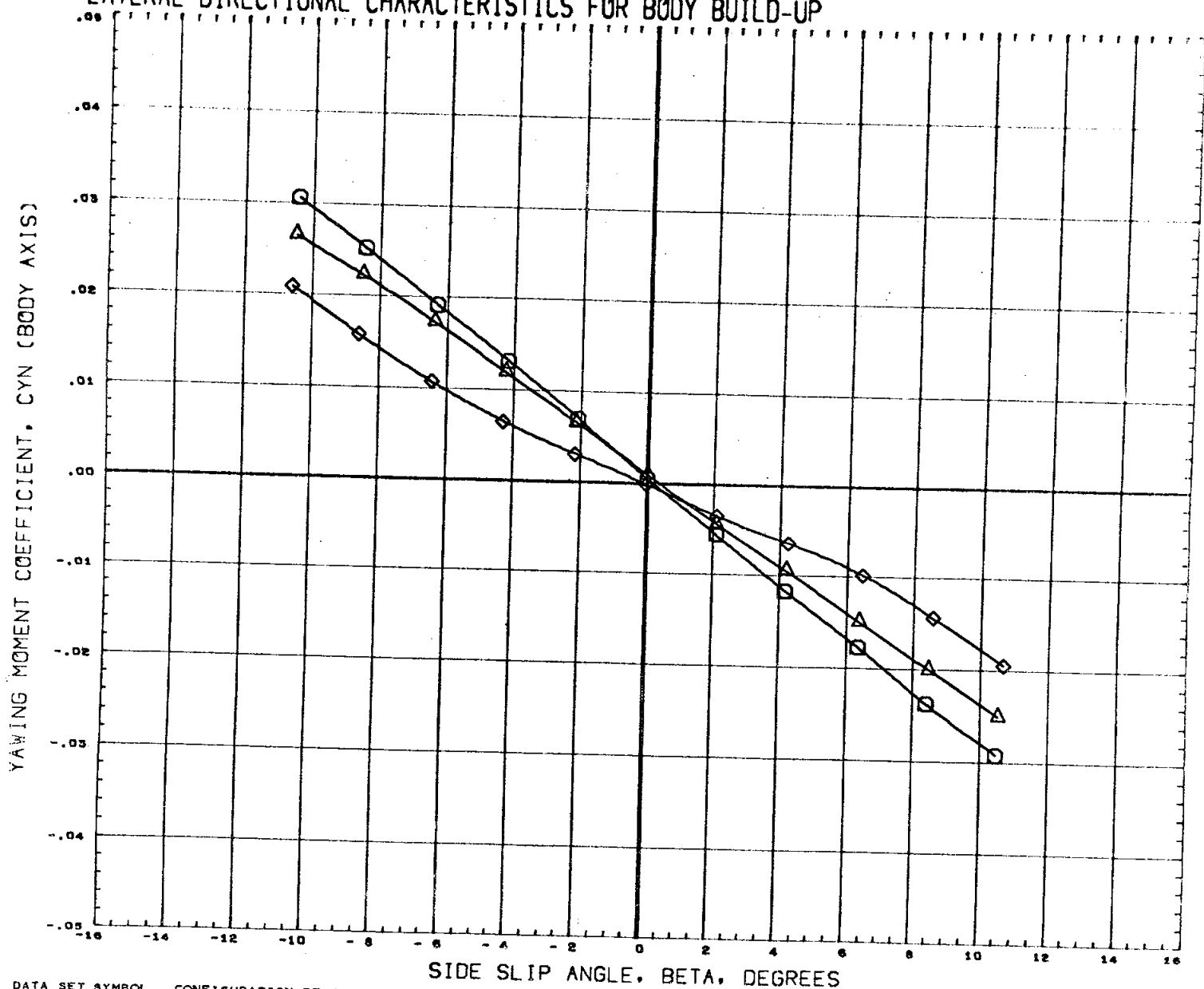
LATERAL-DIRECTIONAL CHARACTERISTICS FOR BODY BUILD-UP



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	RUDFLR	RUDDER	REFERENCE INFORMATION	
(A76104)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1)	0.000				SREF	7.4190 SQ. IN.
(A76105)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1)	10.000				LREF	2.1020 IN.
(A76106)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1)	20.000				BREF	4.0300 IN.
(A76107)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1)	30.000				XMRP	3.4530 IN.
(A76108)	DATA NOT AVAILABLE FOR ALL CONDITIONS	50.000				YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 1.20

LATERAL-DIRECTIONAL CHARACTERISTICS FOR BODY BUILD-UP

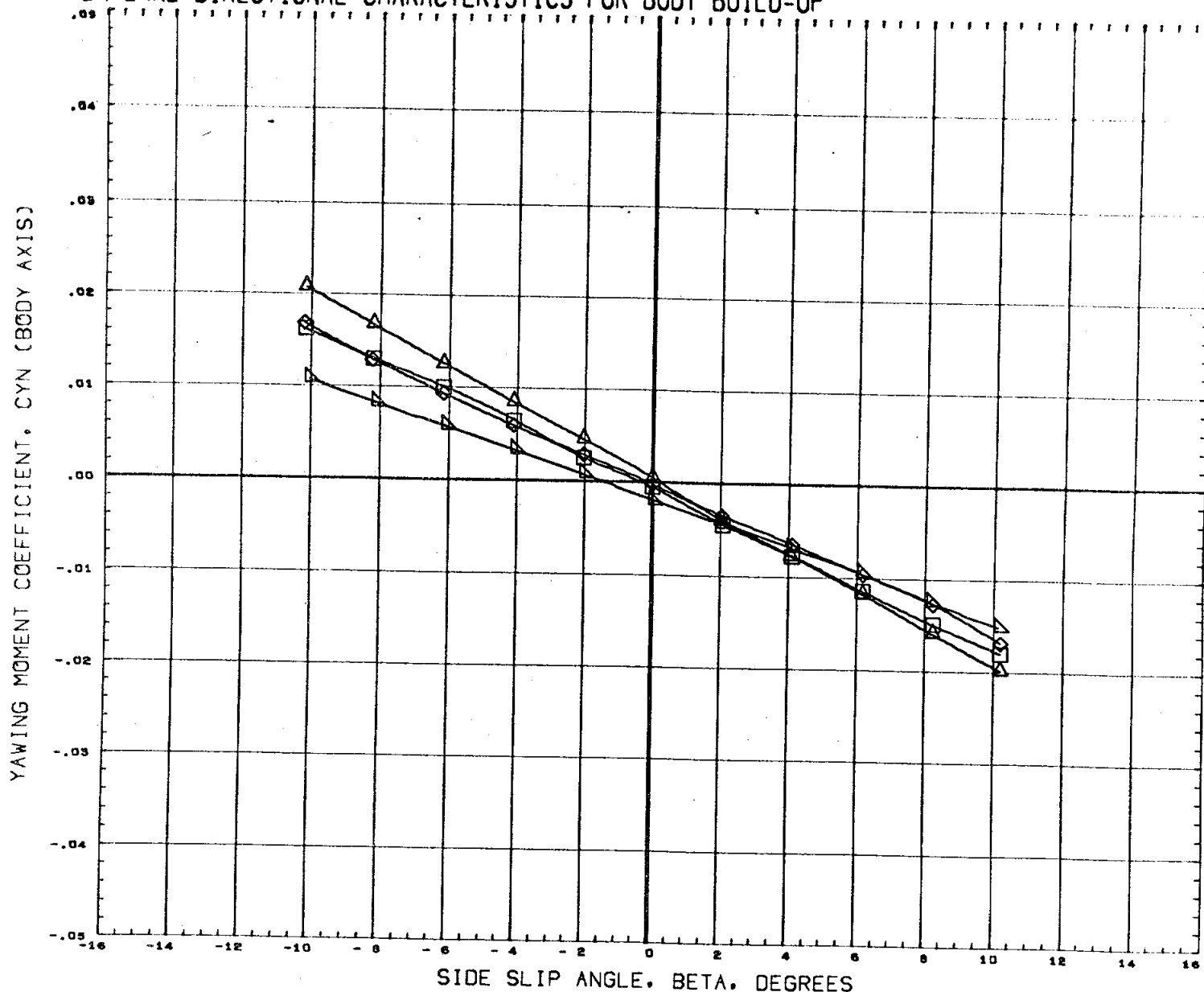


DATA SET SYMBOL	CONFIGURATION DESCRIPTION
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(A76105)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1)
(A76106)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1)
(A76107)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(A76108)	DATA NOT AVAILABLE FOR ALL CONDITIONS

ALPHA	ELEVTR	RUDFLR	RUDDER	REFERENCE INFORMATION
0.000				SREF 7.4190 SQ. IN.
10.000				LREF 2.1020 IN.
20.000				BREF 4.0300 IN.
30.000				XMRP 3.4330 IN.
50.000				YMRP 0.0000 IN.
				ZMRP 0.0000 IN.
				SCALE 0.0040

MACH 1.96

LATERAL-DIRECTIONAL CHARACTERISTICS FOR BODY BUILD-UP

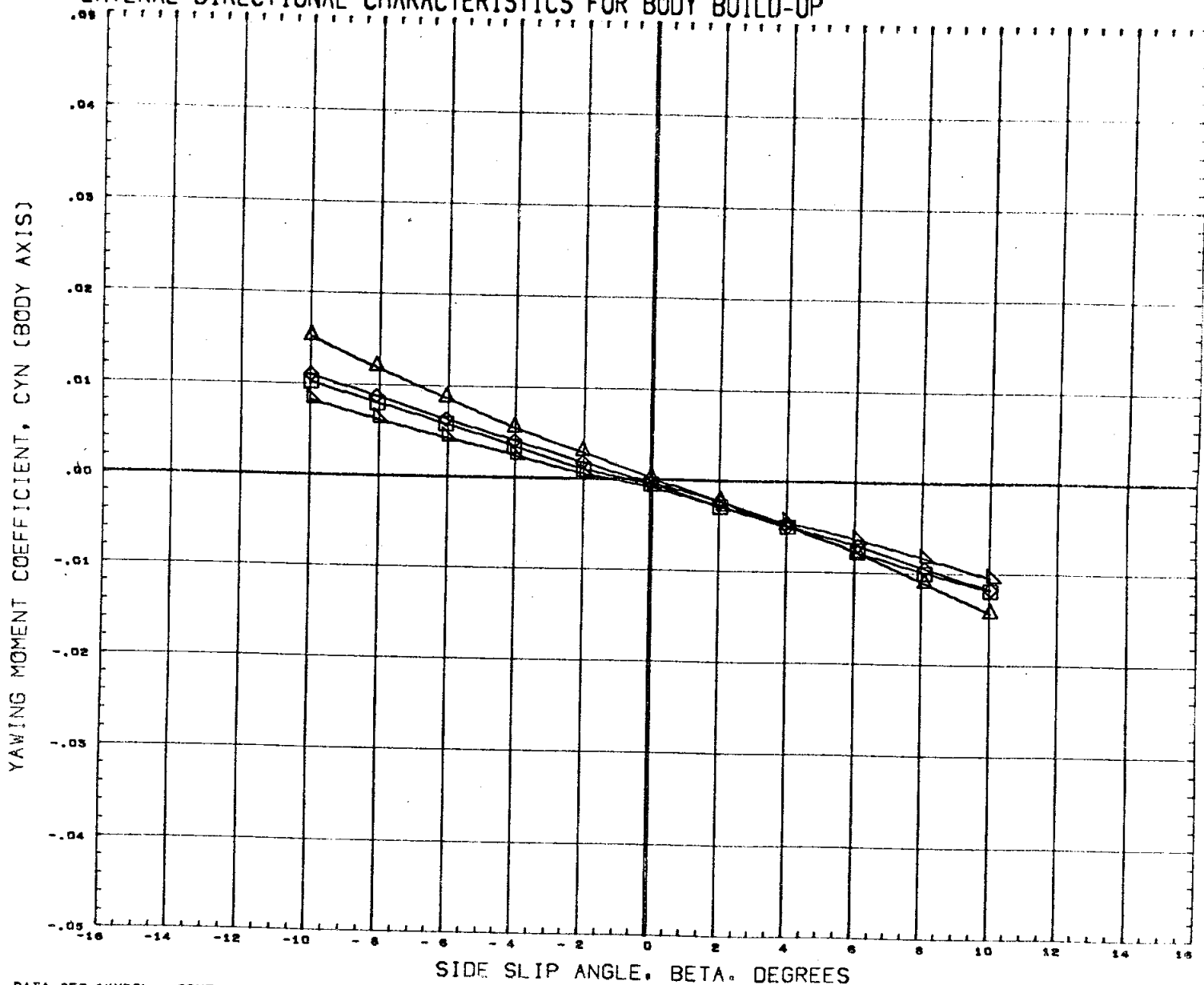


DATA SET SYMBOL	CONFIGURATION DESCRIPTION
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(A76106)	M555(FA3) NAR ATP ORB (B1C1D1F1M1)
(A76107)	M555(FA3) NAR ATP ORB (B1C1D1F1M1)
(A76108)	M555(FA3) NAR ATP ORB (B1C1D1F1M1)

ALPHA	ELEVTR	RUDFLR	RUDDER	REFERENCE INFORMATION
0.000				SREF 7.4190 SQ. IN.
10.000				LREF 2.1020 IN.
20.000				BREF 4.0300 IN.
30.000				XMRP 3.4530 IN.
50.000				YMRP 0.0000 IN.
				ZMRP 0.0000 IN.
				SCALE 0.0040

MACH 2.99

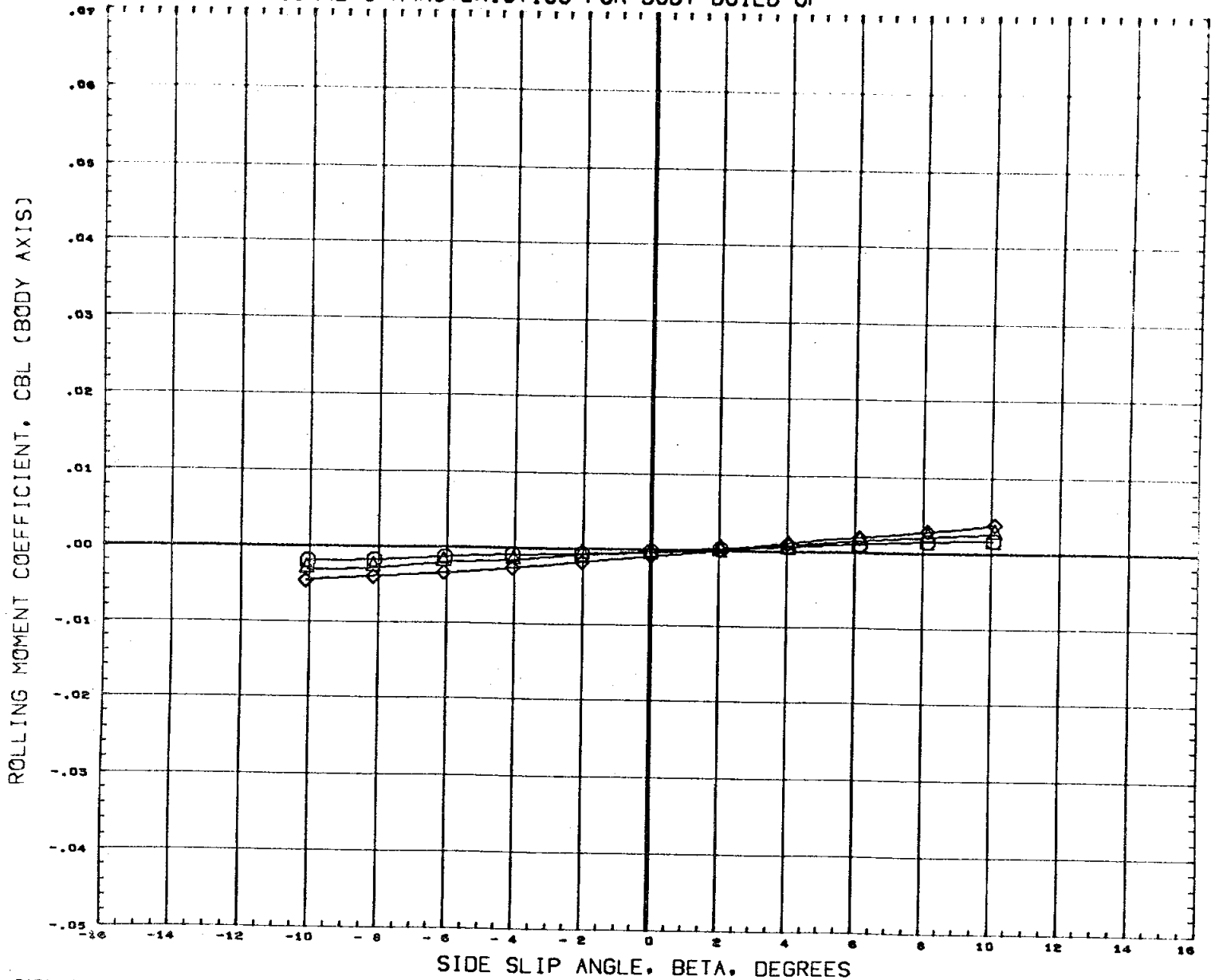
LATERAL-DIRECTIONAL CHARACTERISTICS FOR BODY BUILD-UP



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	RUDFLR	RUDDER	REFERENCE INFORMATION	
(A76104)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000				SREF	7.4190 SQ. IN.
(A76105)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1)	10.000				LREF	2.1020 IN.
(A76106)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1)	20.000				BREF	4.0300 IN.
(A76107)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1)	30.000				XMPP	3.4530 IN.
(A76108)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1)	50.000				YMPP	0.0000 IN.
						ZMPP	0.0000 IN.
						SCALE	0.0040

MACH 4.96

LATERAL-DIRECTIONAL CHARACTERISTICS FOR BODY BUILD-UP

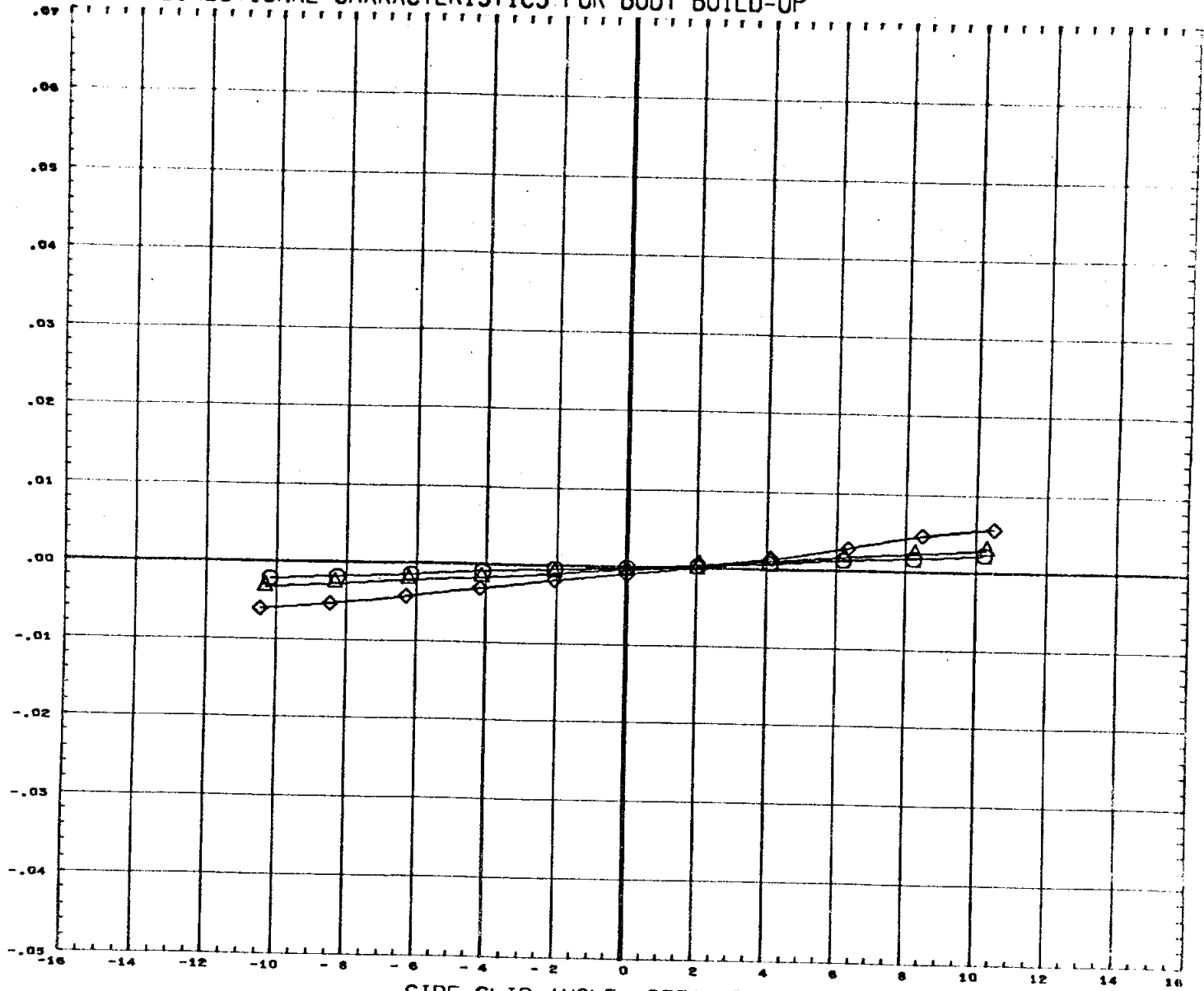


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	RUDFLR	RUDDER	REFERENCE INFORMATION	
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(A76105)	M555(FA3) NAR ATP ORB (B1C1D1F1M1)	10.000				LREF	2.1020 IN.
(A76106)	M555(FA3) NAR ATP ORB (B1C1D1F1M1)	20.000				BREF	4.0300 IN.
(A76107)	DATA NOT AVAILABLE FOR ALL CONDITIONS	30.000				XMRP	3.4530 IN.
(A76108)	DATA NOT AVAILABLE FOR ALL CONDITIONS	50.000				YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH .59

LATERAL-DIRECTIONAL CHARACTERISTICS FOR BODY BUILD-UP

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



SIDE SLIP ANGLE, BETA, DEGREES

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(A76104)	□	M555(FA3) NAR ATP ORB (B1C1D1F1M1)
(A76105)	△	M555(FA3) NAR ATP ORB (B1C1D1F1M1)
(A76106)	□	M555(FA3) NAR ATP ORB (B1C1D1F1M1)
(A76107)	△	DATA NOT AVAILABLE FOR ALL CONDITIONS
(A76108)	□	DATA NOT AVAILABLE FOR ALL CONDITIONS

ALPHA	ELEVTR	RUDFLR	RUDDER
0.000			
10.000			
20.000			
30.000			
50.000			

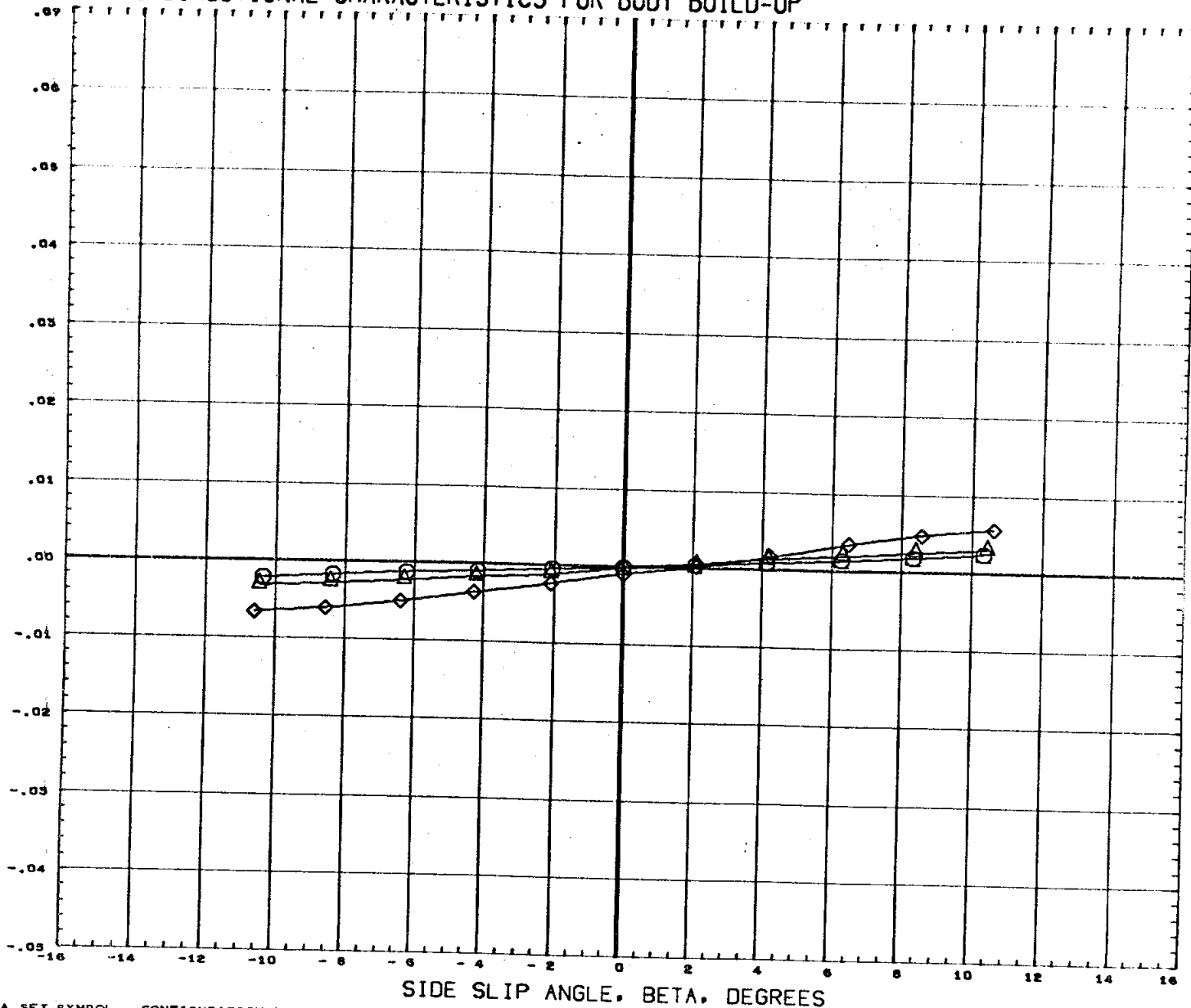
REFERENCE INFORMATION		
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LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH

.90

LATERAL-DIRECTIONAL CHARACTERISTICS FOR BODY BUILD-UP

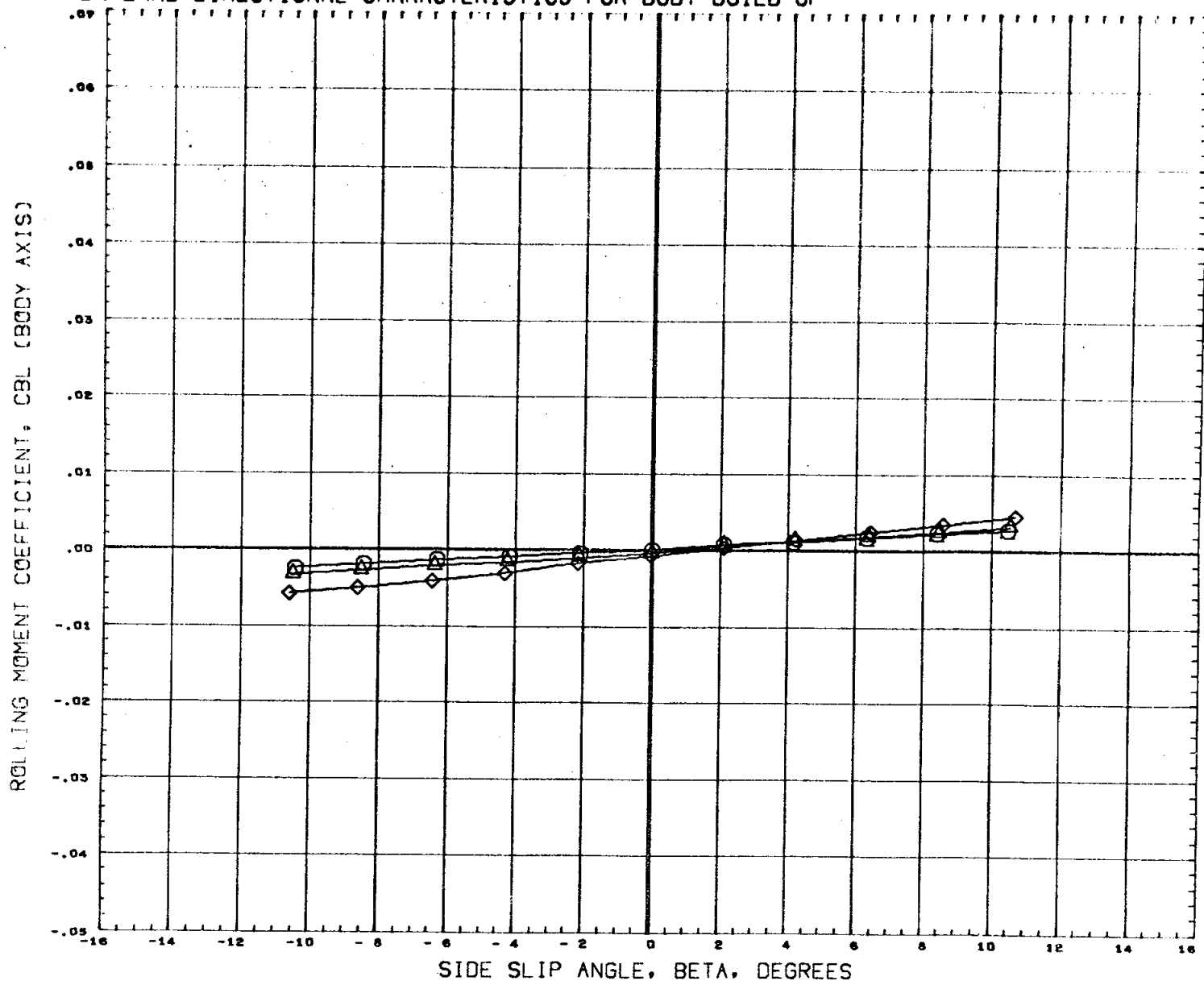
ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	RUDFLR	RUDDER	REFERENCE INFORMATION
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(A76105)	M555(FA3) NAR ATP ORB (B1C1D1F1M1)	10.000				LREF 2.1020 IN.
(A76106)	M555(FA3) NAR ATP ORB (B1C1D1F1M1)	20.000				BREF 4.0300 IN.
(A76107)	DATA NOT AVAILABLE FOR ALL CONDITIONS	30.000				XMRP 3.4530 IN.
(A76108)	DATA NOT AVAILABLE FOR ALL CONDITIONS	50.000				YMRP 0.0000 IN.
						ZMRP 0.0000 IN.
						SCALE 0.0040

MACH 1.20

LATERAL-DIRECTIONAL CHARACTERISTICS FOR BODY BUILD-UP



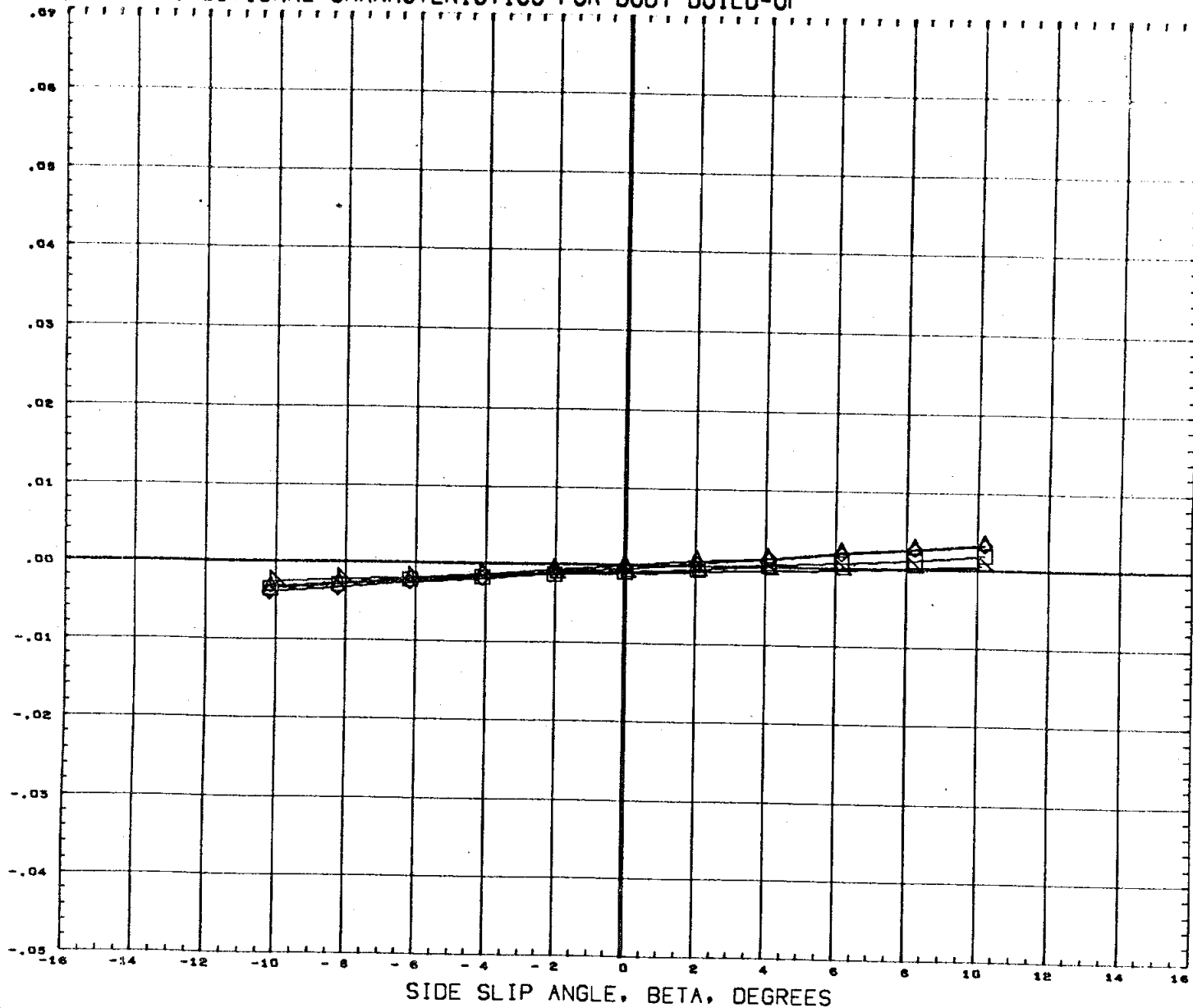
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	RUDFLR	RUDDER	REFERENCE INFORMATION	
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(A76105)	M555(FA3) NAR ATP ORB (B1C1D1F1M1)	10.000				LREF	2.1020 IN.
(A76106)	M555(FA3) NAR ATP ORB (B1C1D1F1M1)	20.000				BREF	4.0300 IN.
(A76107)	DATA NOT AVAILABLE FOR ALL CONDITIONS	30.000				XMRP	3.4530 IN.
(A76108)	DATA NOT AVAILABLE FOR ALL CONDITIONS	50.000				YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 1.96

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LATERAL-DIRECTIONAL CHARACTERISTICS FOR BODY BUILD-UP

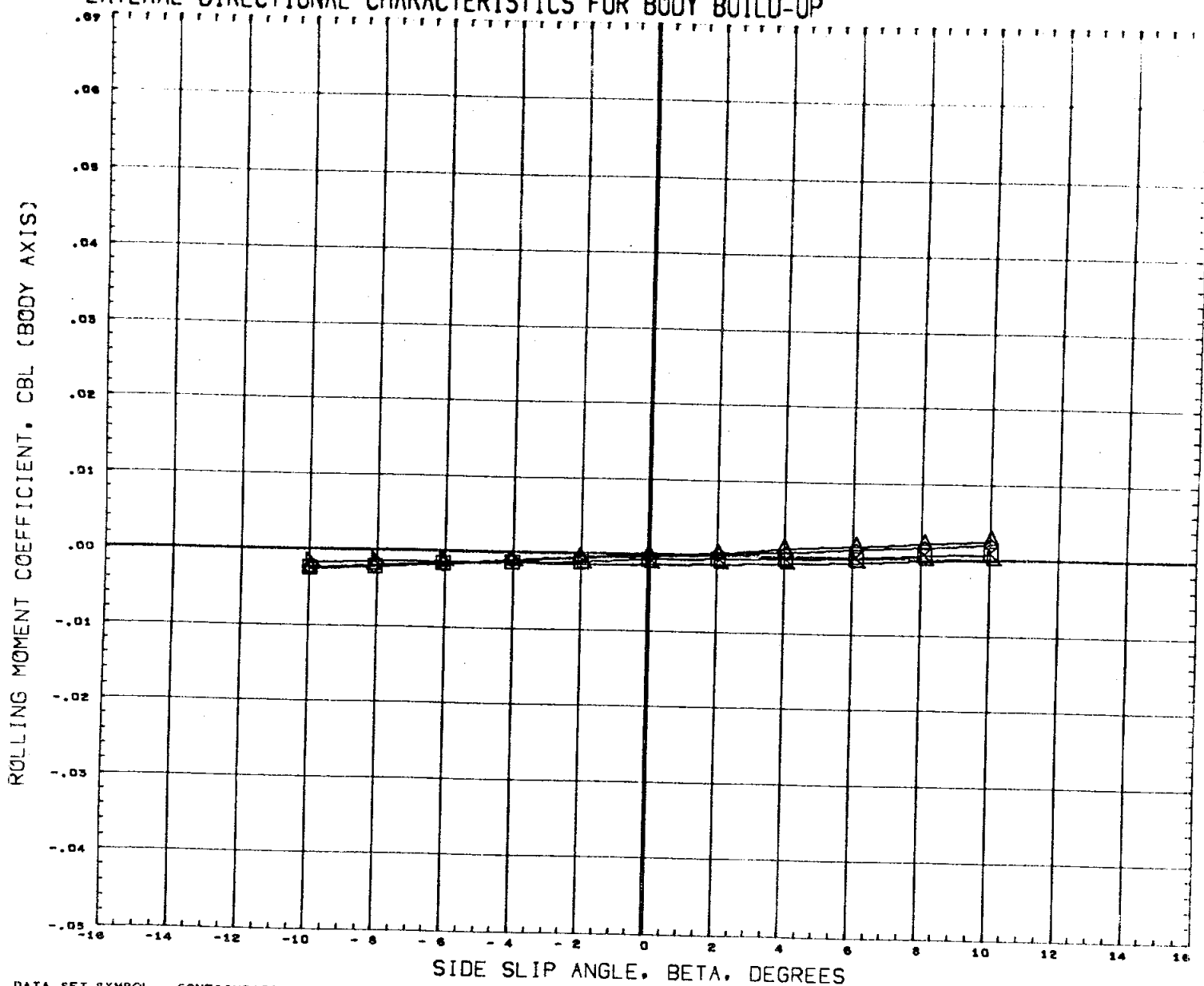
ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	RUDFLR	RUDDER	REFERENCE INFORMATION
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(A76105)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1)	10.000				LREF 2.1020 IN.
(A76106)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1)	20.000				BREF 4.0300 IN.
(A76107)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1)	30.000				XNRP 3.4550 IN.
(A76108)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1)	50.000				YNRP 0.0000 IN.
						ZMRP 0.0000 IN.
						SCALE 0.0040

MACH 2.99

LATERAL-DIRECTIONAL CHARACTERISTICS FOR BODY BUILD-UP

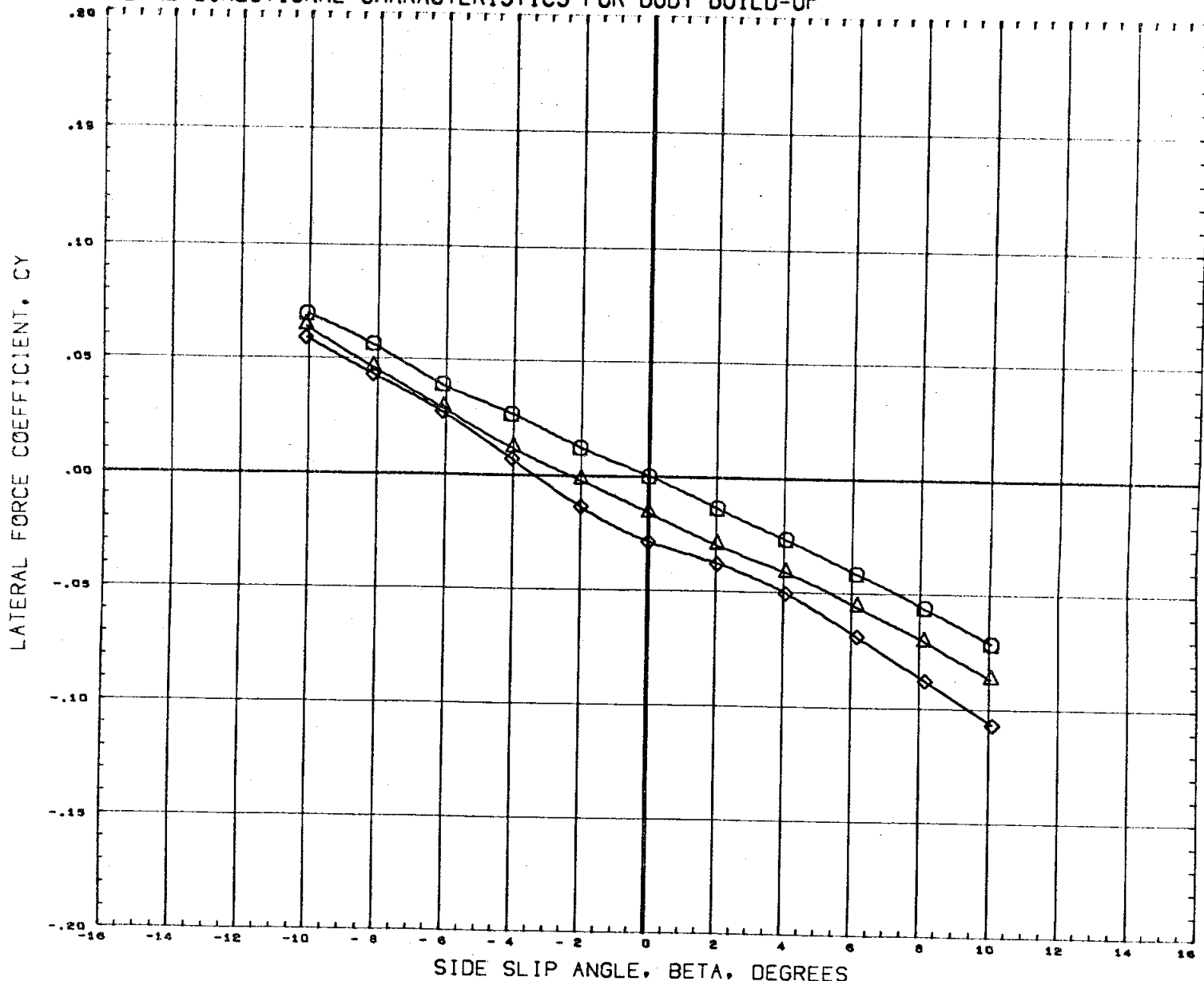


DATA SET SYMBOL CONFIGURATION DESCRIPTION
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 (A76106) M555 (FA3) NAR ATP ORB (B1C1D1F1M1)
 (A76107) M555 (FA3) NAR ATP ORB (B1C1D1F1M1)
 (A76108) M555 (FA3) NAR ATP ORB (B1C1D1F1M1)

ALPHA	ELEVTR	RUDFLR	RUDDER	REFERENCE INFORMATION	
0.000				SREF	7.4190 SQ. IN.
10.000				LREF	2.1020 IN.
20.000				BREF	4.0300 IN.
30.000				XMRP	3.4530 IN.
50.000				YMRP	0.0000 IN.
				ZMRP	0.0000 IN.
				SCALE	0.0040

MACH 4.96

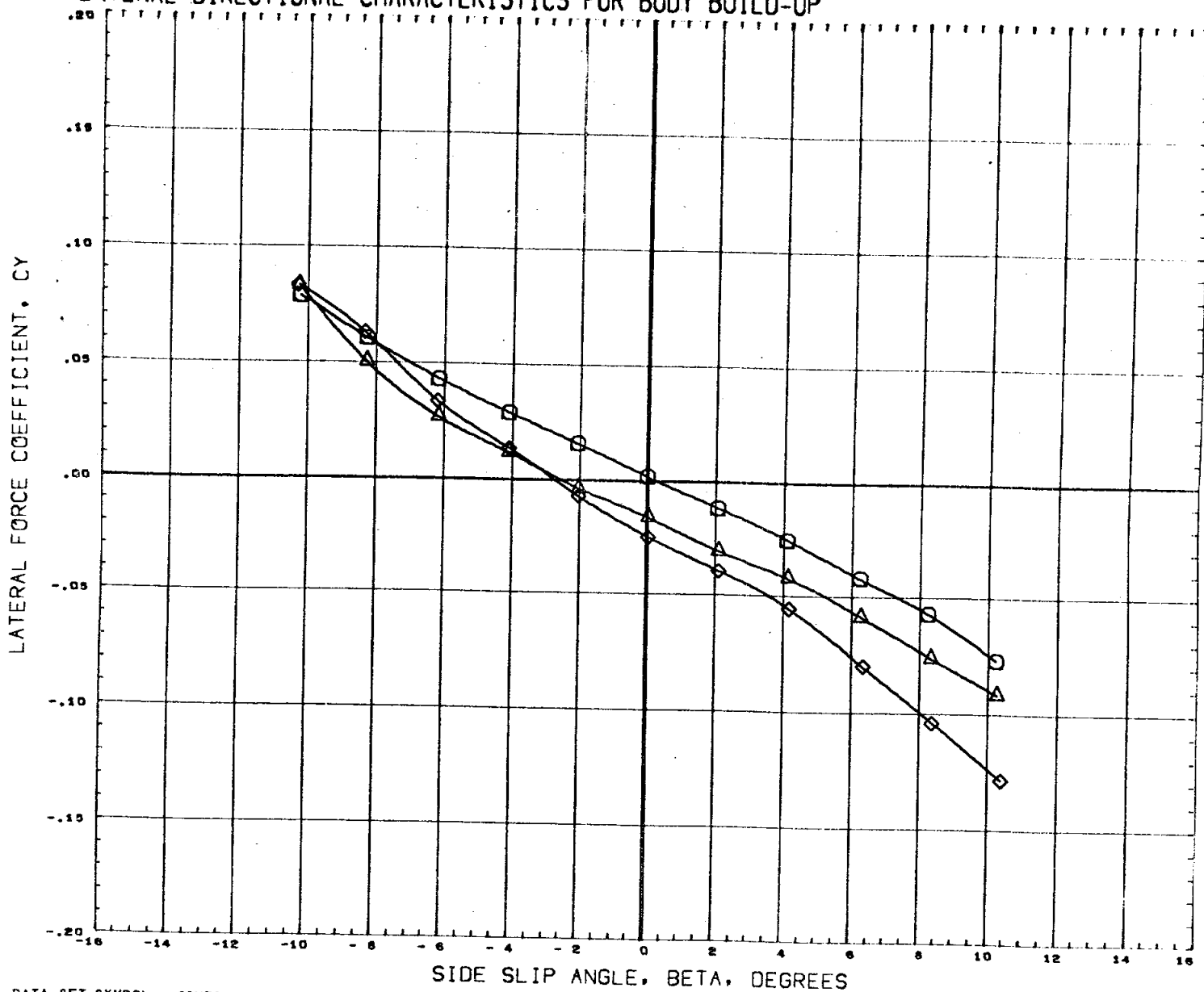
LATERAL-DIRECTIONAL CHARACTERISTICS FOR BODY BUILD-UP



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	RUDFLR	RUDDER	REFERENCE INFORMATION	
(A76204)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	0.000	0.000			SREF	7.4190 SQ. IN.
(A76205)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	10.000	0.000			LREF	2.1020 IN.
(A76206)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	20.000	0.000			BREF	4.0300 IN.
(A76207)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	30.000	0.000			XMRP	3.4530 IN.
(A76208)	DATA NOT AVAILABLE FOR ALL CONDITIONS	50.000	0.000			YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH .60

LATERAL-DIRECTIONAL CHARACTERISTICS FOR BODY BUILD-UP



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(A76204) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)
 (A76205) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)
 (A76206) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)
 (A76207) DATA NOT AVAILABLE FOR ALL CONDITIONS
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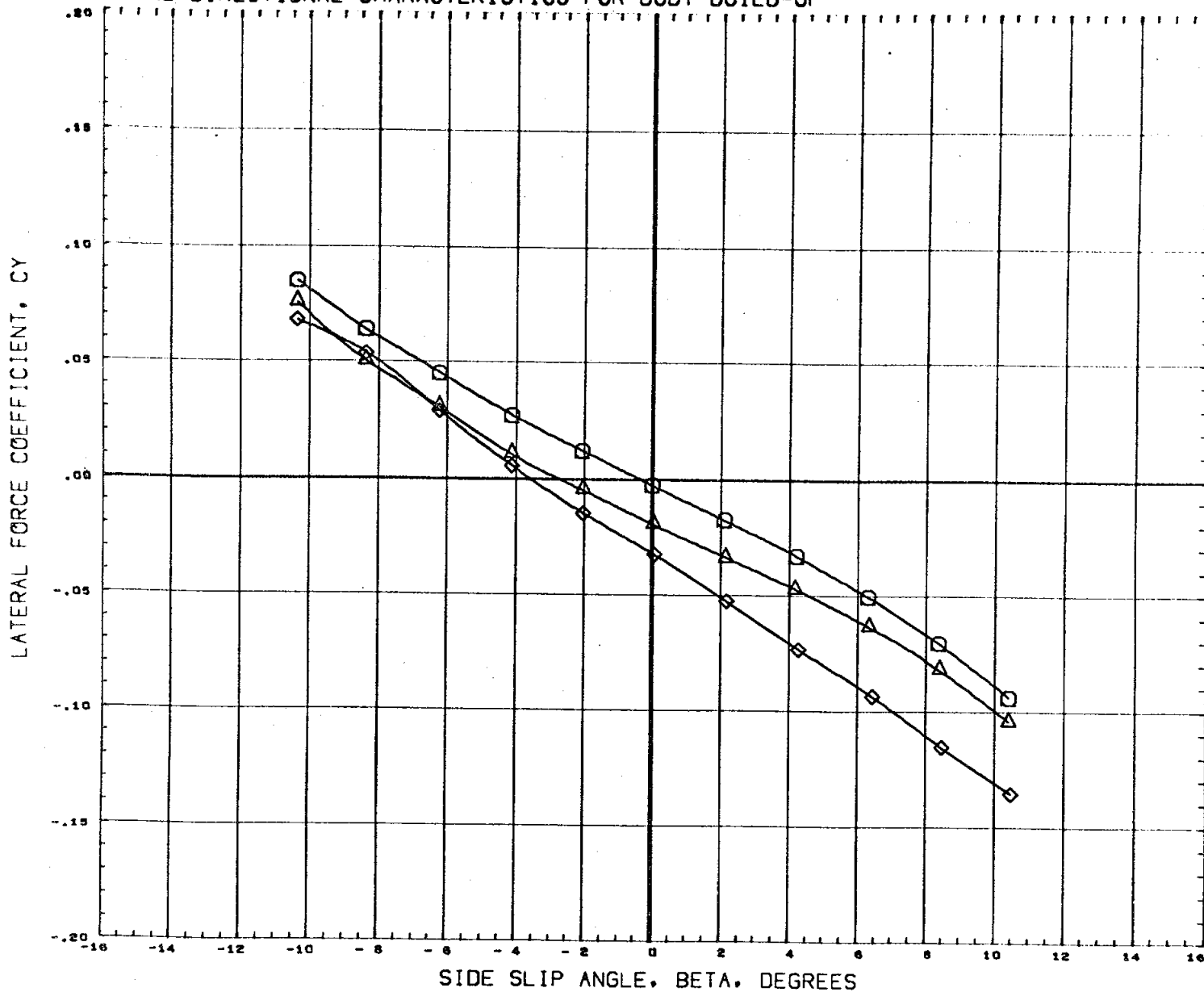
ALPHA	ELEVTR	RUDFLR	RUDDER
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10.000	0.000		
20.000	0.000		
30.000	0.000		
50.000	0.000		

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH

.91

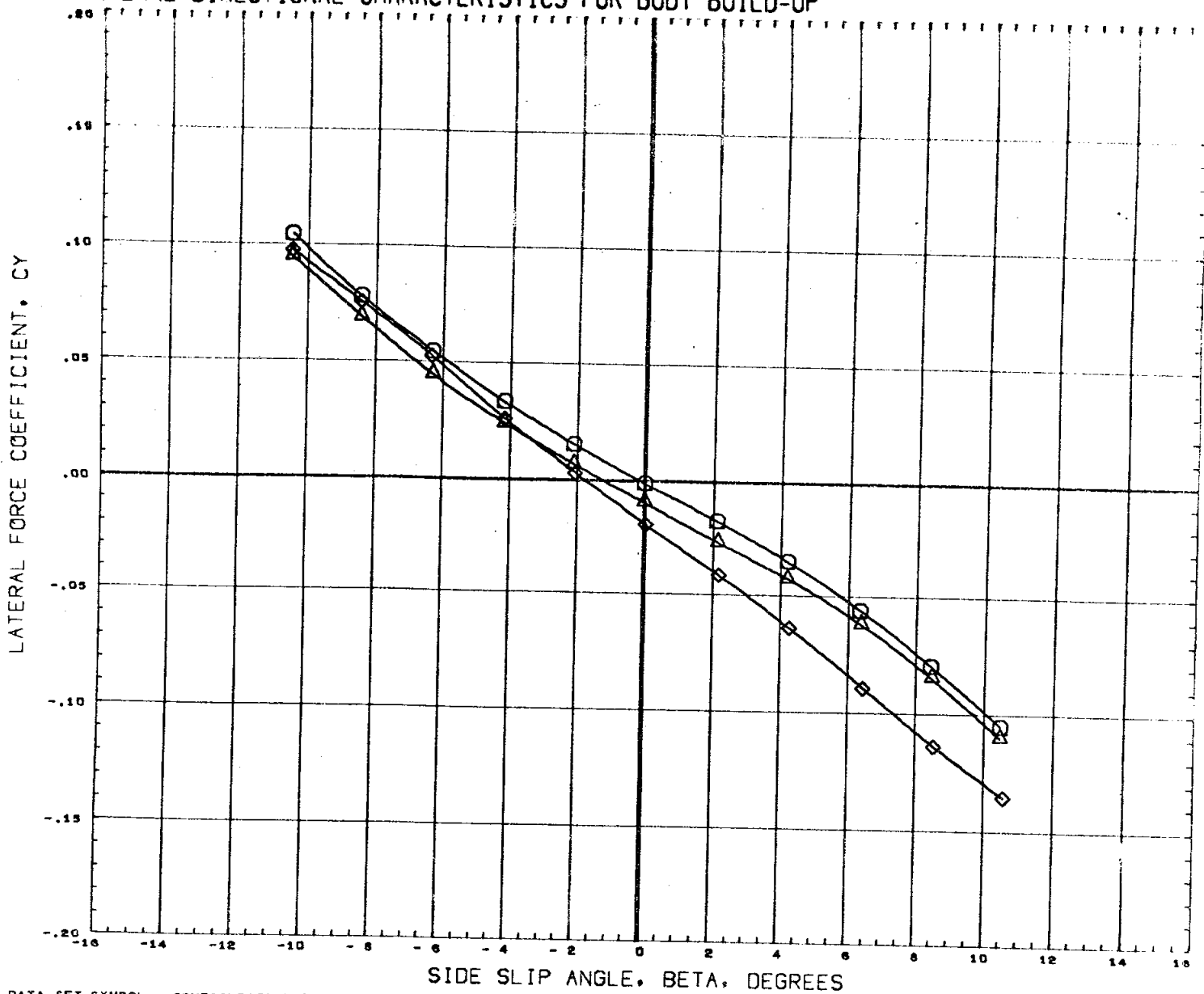
LATERAL-DIRECTIONAL CHARACTERISTICS FOR BODY BUILD-UP



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	RUDFLR	RUDDER	REFERENCE INFORMATION	
(A76204)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	0.000	0.000			SREF	7.4190 SQ. IN.
(A76205)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	10.000	0.000			LREF	2.1020 IN.
(A76206)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	20.000	0.000			BREF	4.0300 IN.
(A76207)	DATA NOT AVAILABLE FOR ALL CONDITIONS	30.000	0.000			XMRF	3.4330 IN.
(A76208)	DATA NOT AVAILABLE FOR ALL CONDITIONS	50.000	0.000			YMRF	0.0000 IN.
						ZMRF	0.0000 IN.
						SCALE	0.0040

MACH 1.20

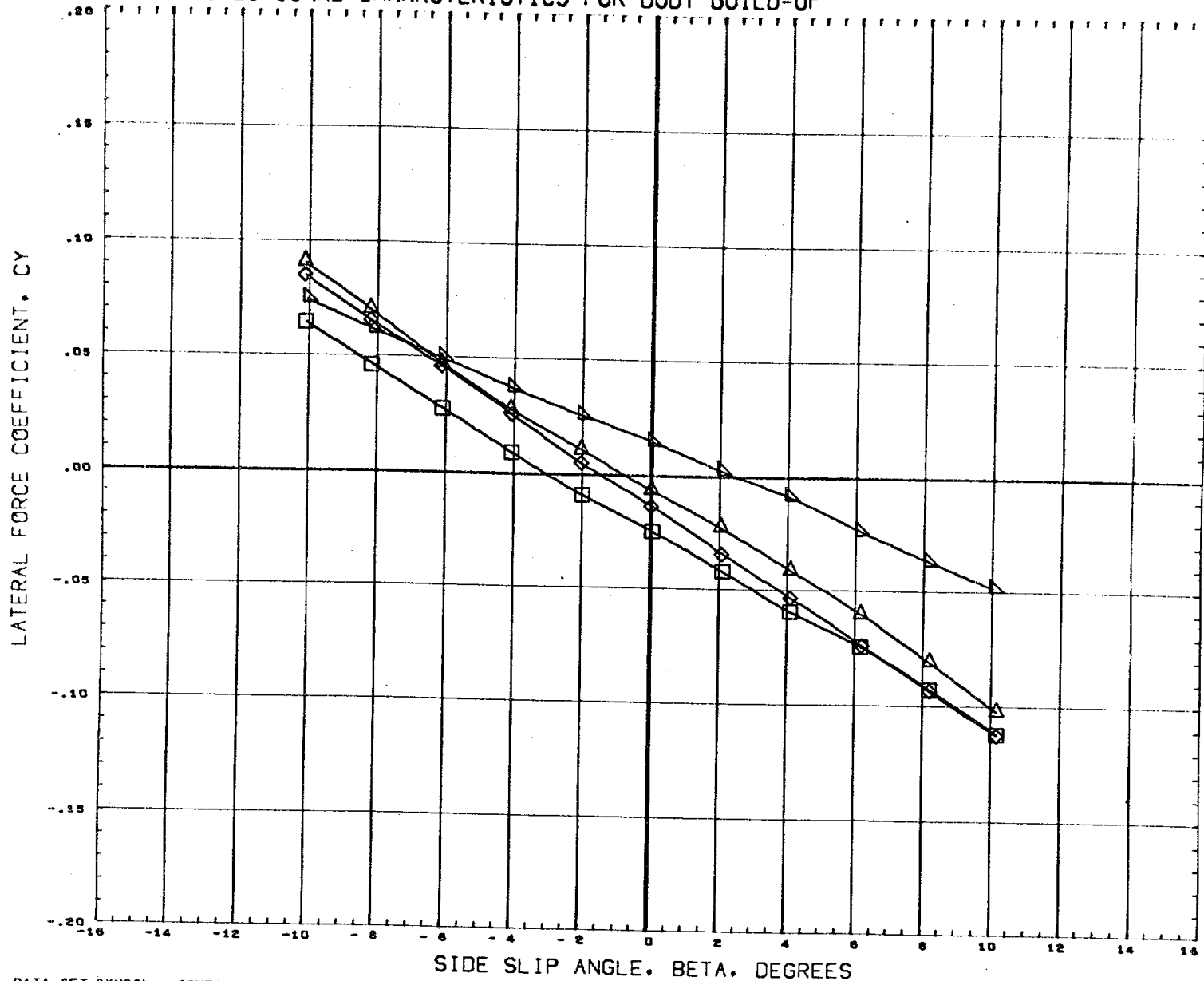
LATERAL-DIRECTIONAL CHARACTERISTICS FOR BODY BUILD-UP



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	RUDFLR	RUDDER	REFERENCE INFORMATION	
(A76204)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	0.000	0.000			SREF	7.4190 SQ. IN.
(A76205)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	10.000	0.000			LREF	2.1020 IN.
(A76206)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	20.000	0.000			BREF	4.0300 IN.
(A76207)	DATA NOT AVAILABLE FOR ALL CONDITIONS	30.000	0.000			XMRP	3.4530 IN.
(A76208)	DATA NOT AVAILABLE FOR ALL CONDITIONS	30.000	0.000			YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 1.96

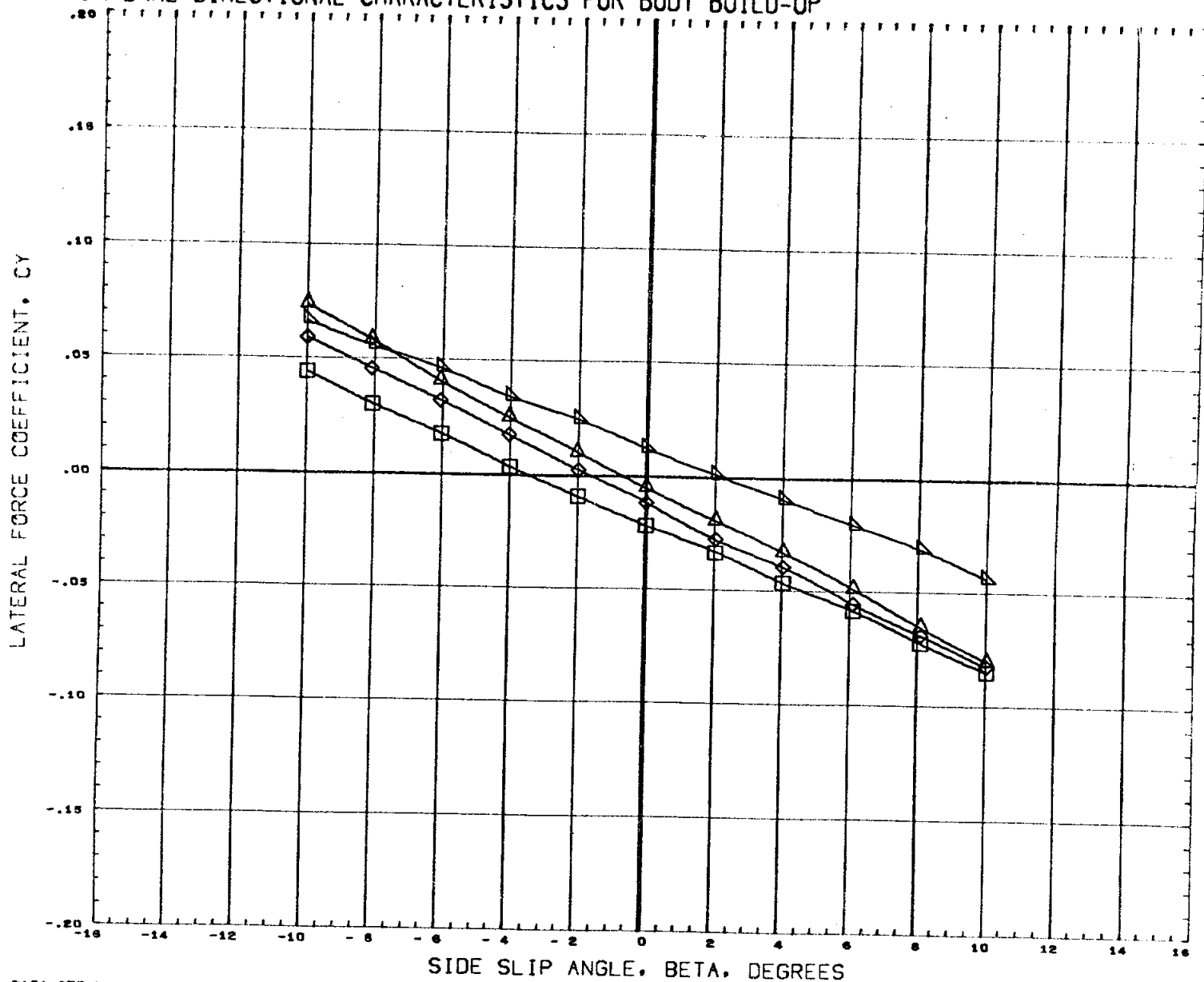
LATERAL-DIRECTIONAL CHARACTERISTICS FOR BODY BUILD-UP



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	RUDFLR	RUDDER	REFERENCE INFORMATION	
(A76204)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000			SREF	7.4190 SQ. IN.
(A76205)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	10.000	0.000			LREF	2.1020 IN.
(A76206)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	20.000	0.000			BREF	4.0300 IN.
(A76207)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	30.000	0.000			XMRP	3.4530 IN.
(A76208)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	50.000	0.000			YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 2.99

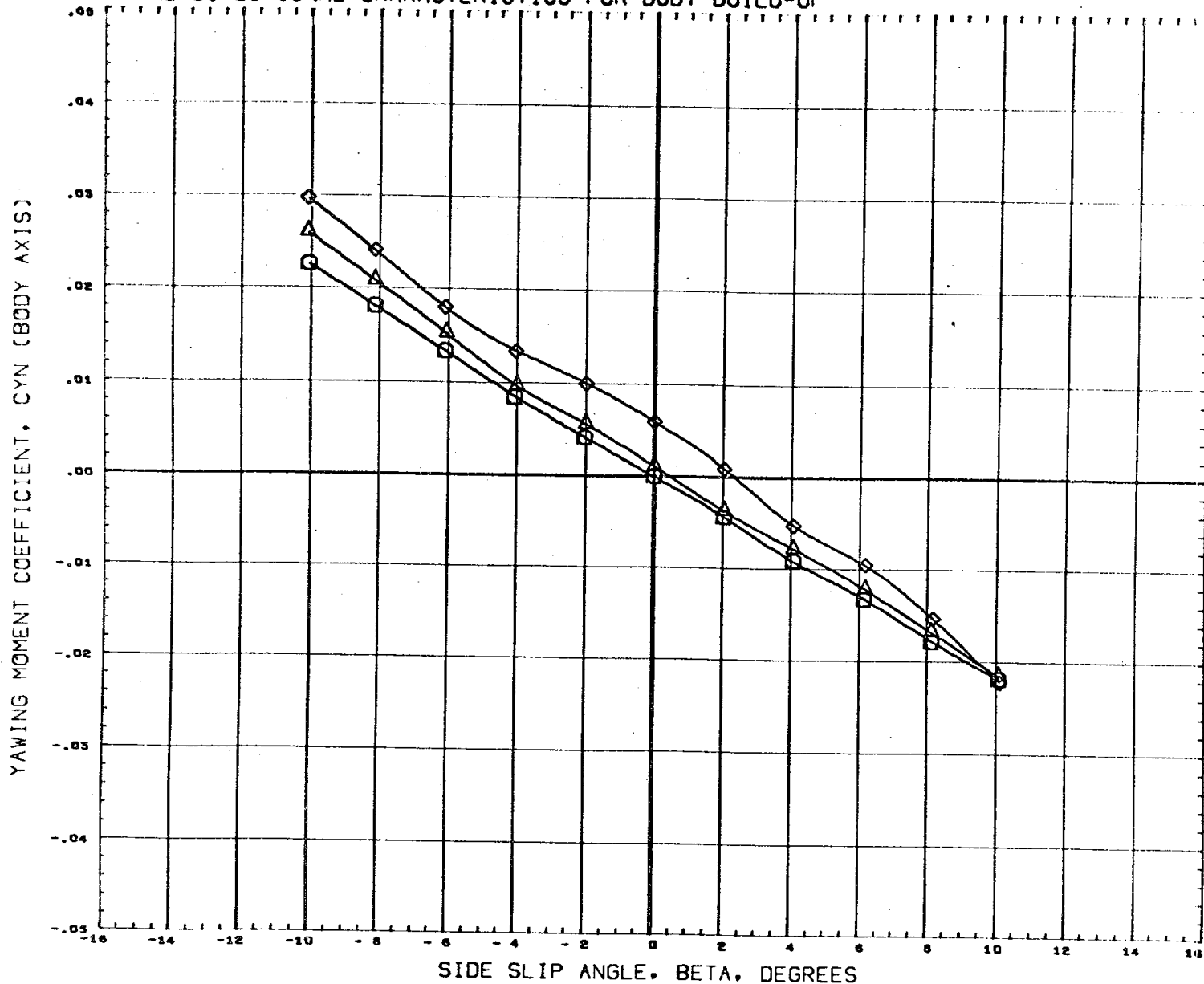
LATERAL-DIRECTIONAL CHARACTERISTICS FOR BODY BUILD-UP



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	RUOFLR	RUDDER	REFERENCE INFORMATION	
(A76204)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000			SREF	7.4190 SQ. IN.
(A76205)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	10.000	0.000			LREF	2.1020 IN.
(A76206)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	20.000	0.000			BREF	4.0300 IN.
(A76207)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	30.000	0.000			XMRP	3.4530 IN.
(A76208)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	30.000	0.000			YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 4.96

LATERAL-DIRECTIONAL CHARACTERISTICS FOR BODY BUILD-UP

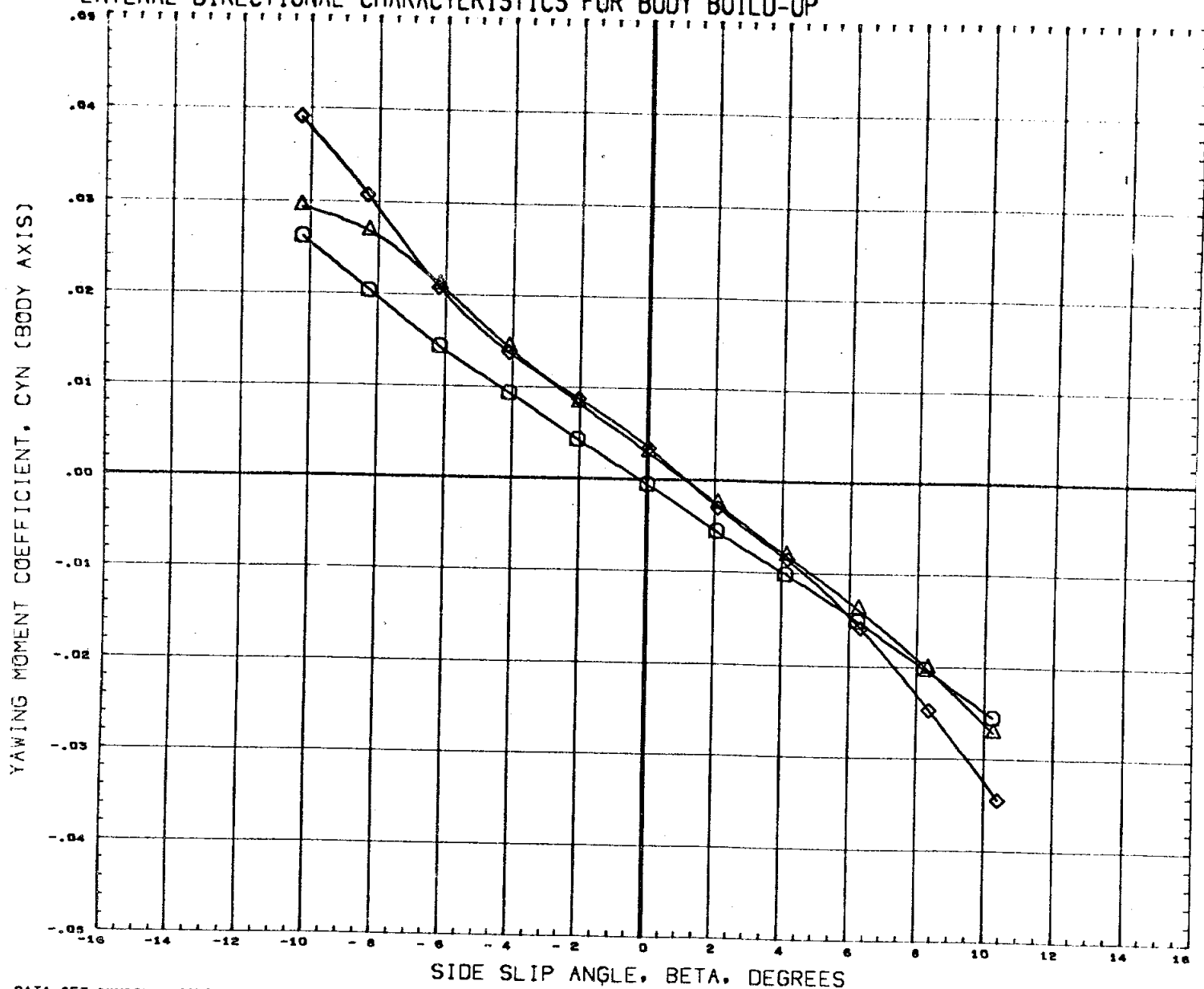


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	RUDFLR	RUDDER	REFERENCE INFORMATION	
(A76204)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	0.000	0.000			SREF	7.4190 SQ. IN.
(A76205)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	10.000	0.000			LREF	2.1020 IN.
(A76206)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	20.000	0.000			BREF	4.0300 IN.
(A76207)	DATA NOT AVAILABLE FOR ALL CONDITIONS	30.000	0.000			XMRP	3.4530 IN.
(A76208)	DATA NOT AVAILABLE FOR ALL CONDITIONS	50.000	0.000			YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH .60

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LATERAL-DIRECTIONAL CHARACTERISTICS FOR BODY BUILD-UP

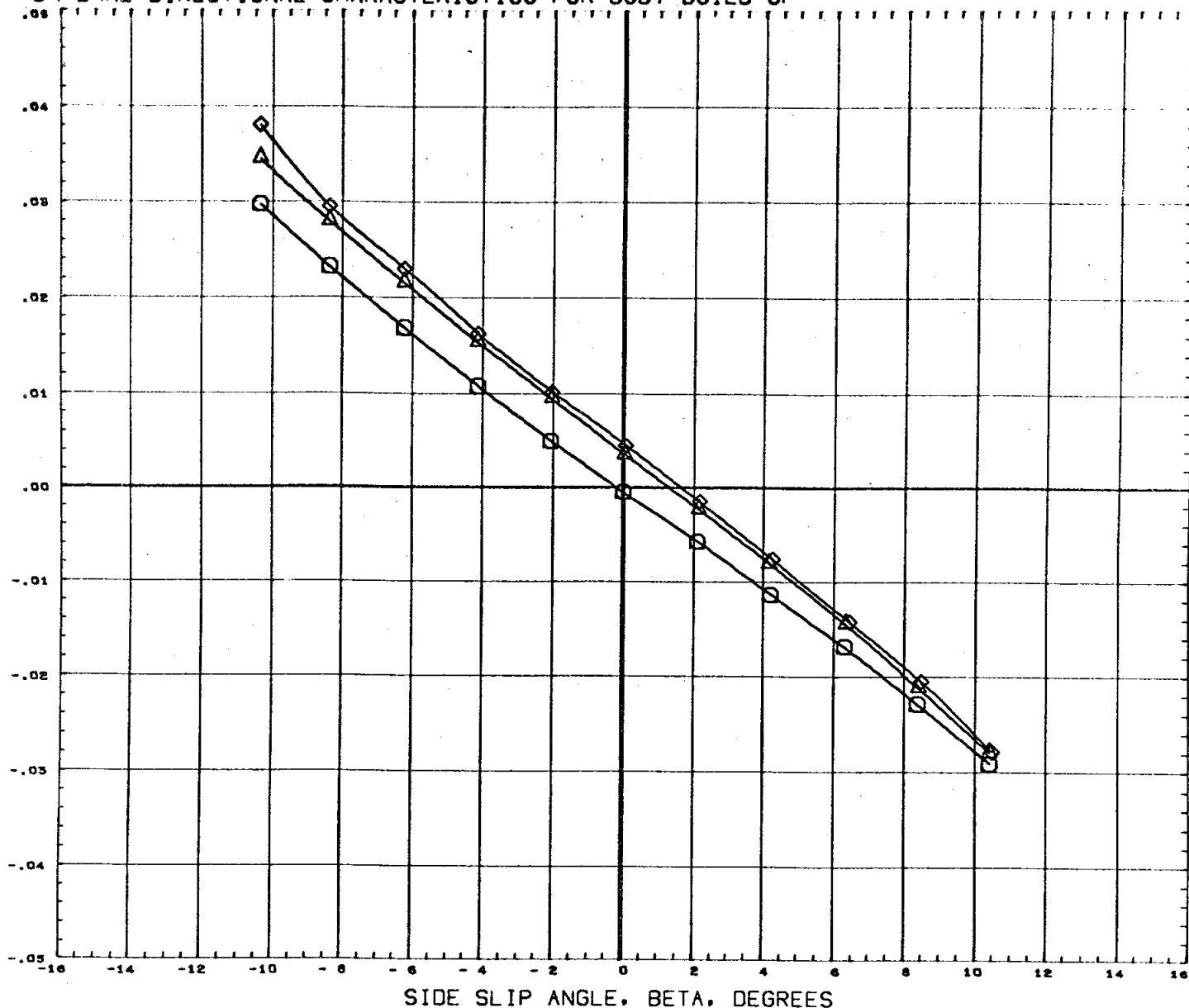


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	RUDFLR	RUDDER	REFERENCE INFORMATION
(A76204)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	0.000	0.000			SREF 7.4190 SQ. IN.
(A76205)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	10.000	0.000			LREF 2.1020 IN.
(A76206)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	20.000	0.000			BREF 4.0300 IN.
(A76207)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	30.000	0.000			XMRP 3.4530 IN.
(A76208)	DATA NOT AVAILABLE FOR ALL CONDITIONS	50.000	0.000			YMRP 0.0000 IN.
						ZMRP 0.0000 IN.
						SCALE 0.0040

MACH .91

LATERAL-DIRECTIONAL CHARACTERISTICS FOR BODY BUILD-UP

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)

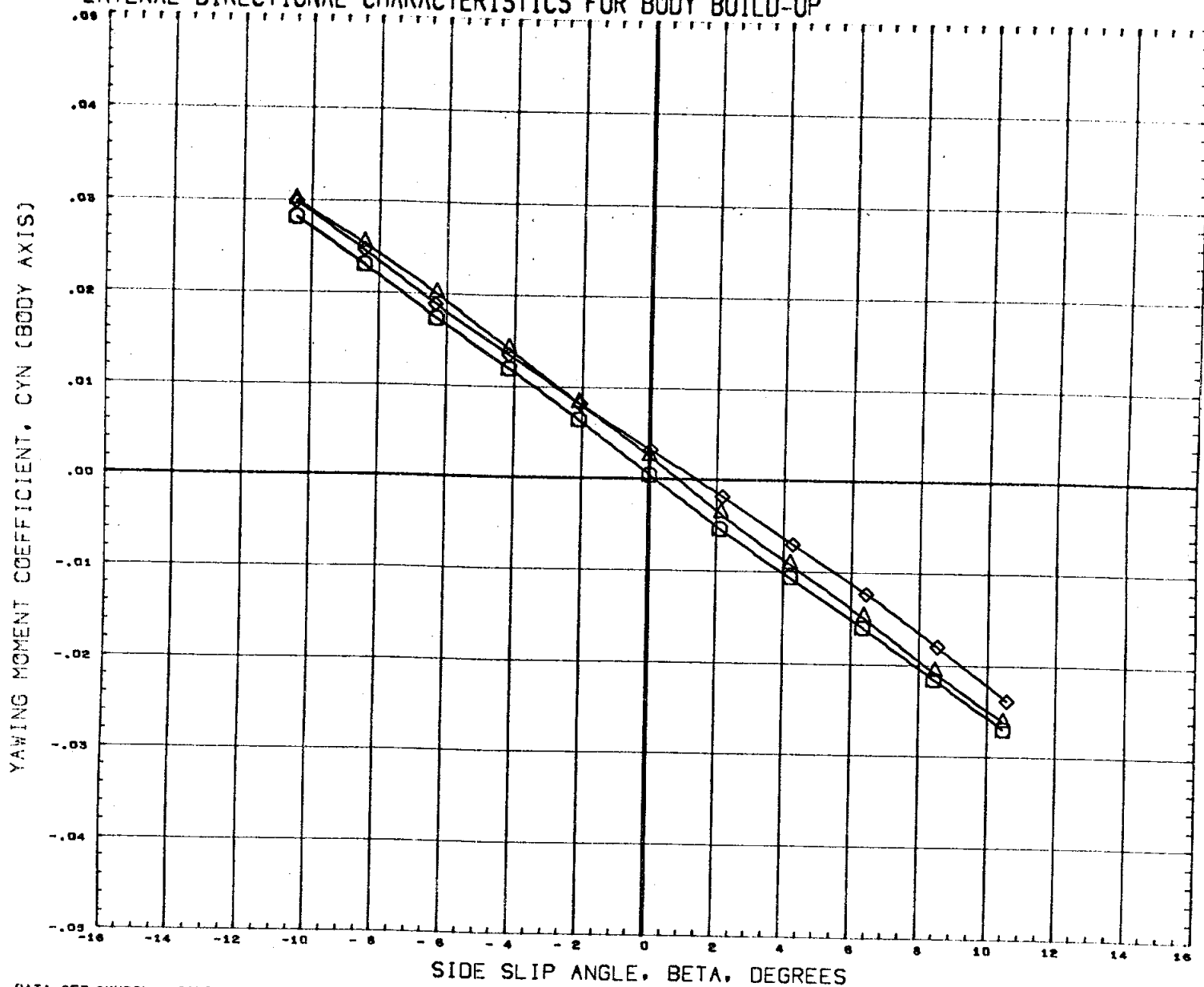


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	RUDFLR	RUDDER	REFERENCE INFORMATION	
(A76204)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	0.000	0.000			SREF	7.4190 SQ. IN.
(A76205)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	10.000	0.000			LREF	2.1020 IN.
(A76206)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	20.000	0.000			BREF	4.0300 IN.
(A76207)	DATA NOT AVAILABLE FOR ALL CONDITIONS	30.000	0.000			XMRP	3.4530 IN.
(A76208)	DATA NOT AVAILABLE FOR ALL CONDITIONS	50.000	0.000			YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 1.20

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LATERAL-DIRECTIONAL CHARACTERISTICS FOR BODY BUILD-UP



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(A76204)	0007	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)
(A76205)		M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)
(A76206)		M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)
(A76207)		DATA NOT AVAILABLE FOR ALL CONDITIONS
(A76208)		DATA NOT AVAILABLE FOR ALL CONDITIONS

ALPHA	ELEVTR	RUDFLR	RUDDER
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10.000	0.000		
20.000	0.000		
30.000	0.000		
50.000	0.000		

REFERENCE INFORMATION

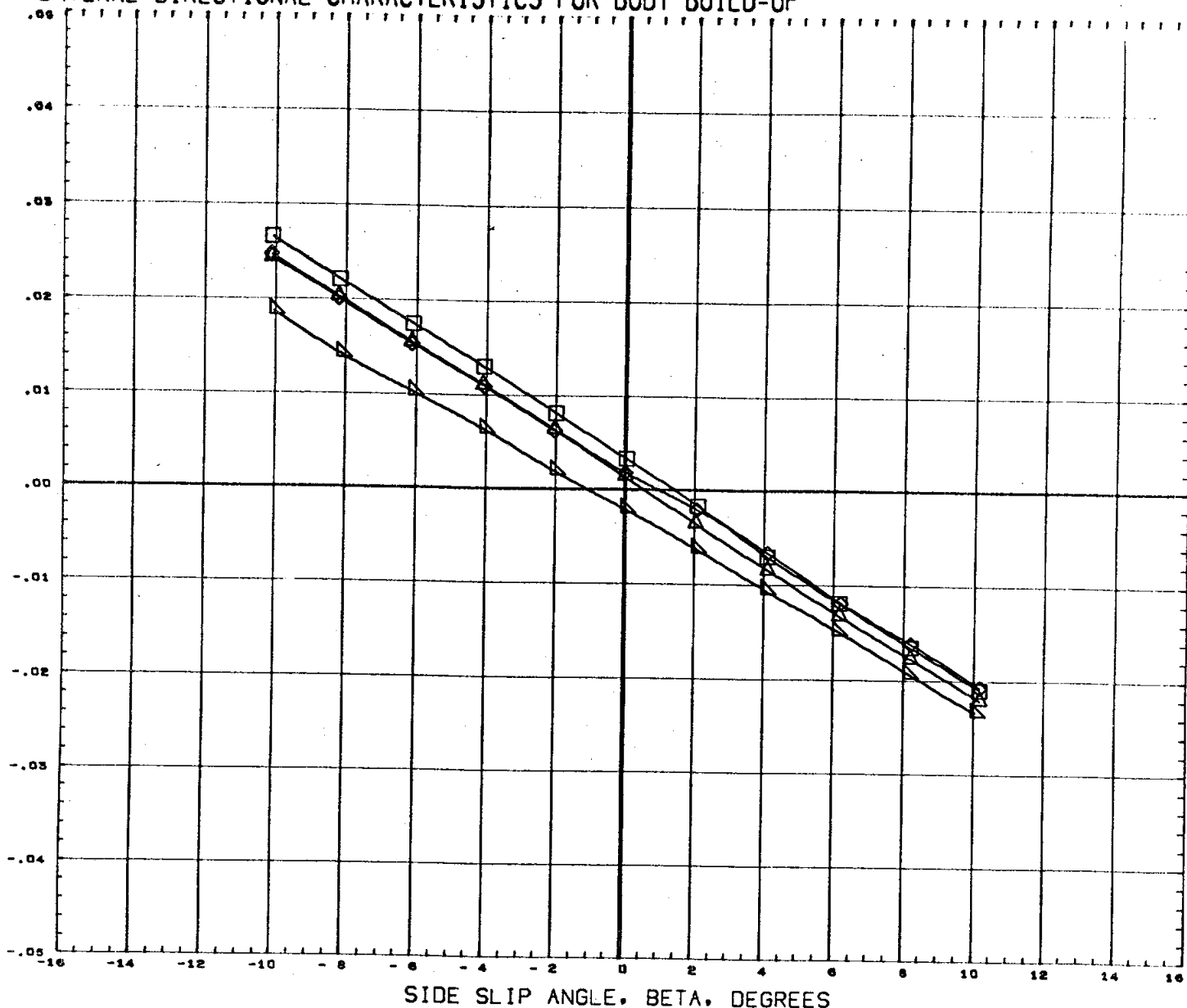
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 1.96

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LATERAL-DIRECTIONAL CHARACTERISTICS FOR BODY BUILD-UP

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(A76204) DATA NOT AVAILABLE FOR ALL CONDITIONS
 (A76205) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)
 (A76206) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)
 (A76207) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)
 (A76208) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)

ALPHA 0.000
 10.000
 20.000
 30.000
 50.000

ELEVTR 0.000
 0.000
 0.000
 0.000
 0.000

RUDFLR

RUDDER

REFERENCE INFORMATION

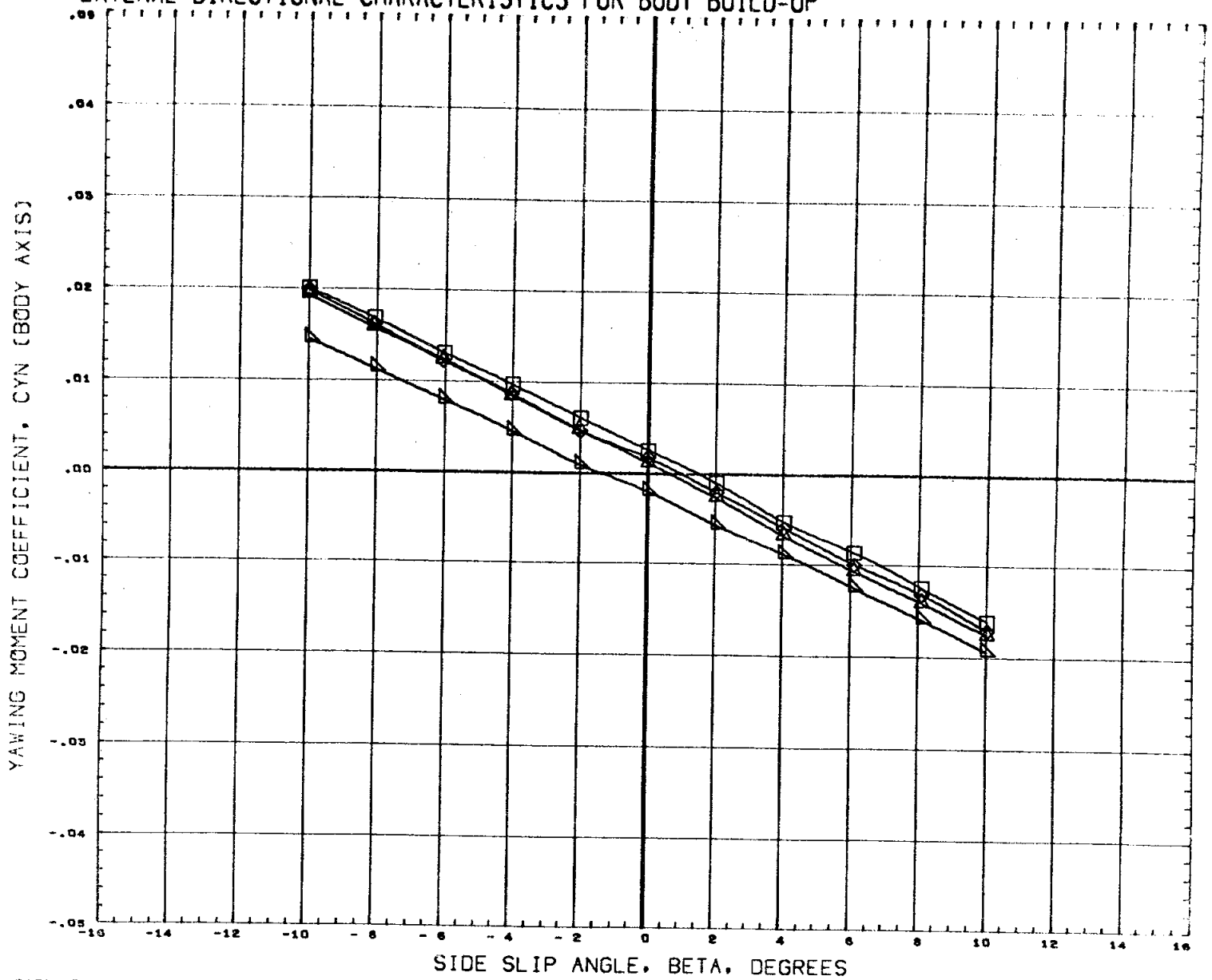
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 LREF 2.1020 IN.
 BREF 4.0300 IN.
 XMRP 3.4530 IN.
 YMRP 0.0000 IN.
 ZMRP 0.0000 IN.
 SCALE 0.0040

MACH

2.99

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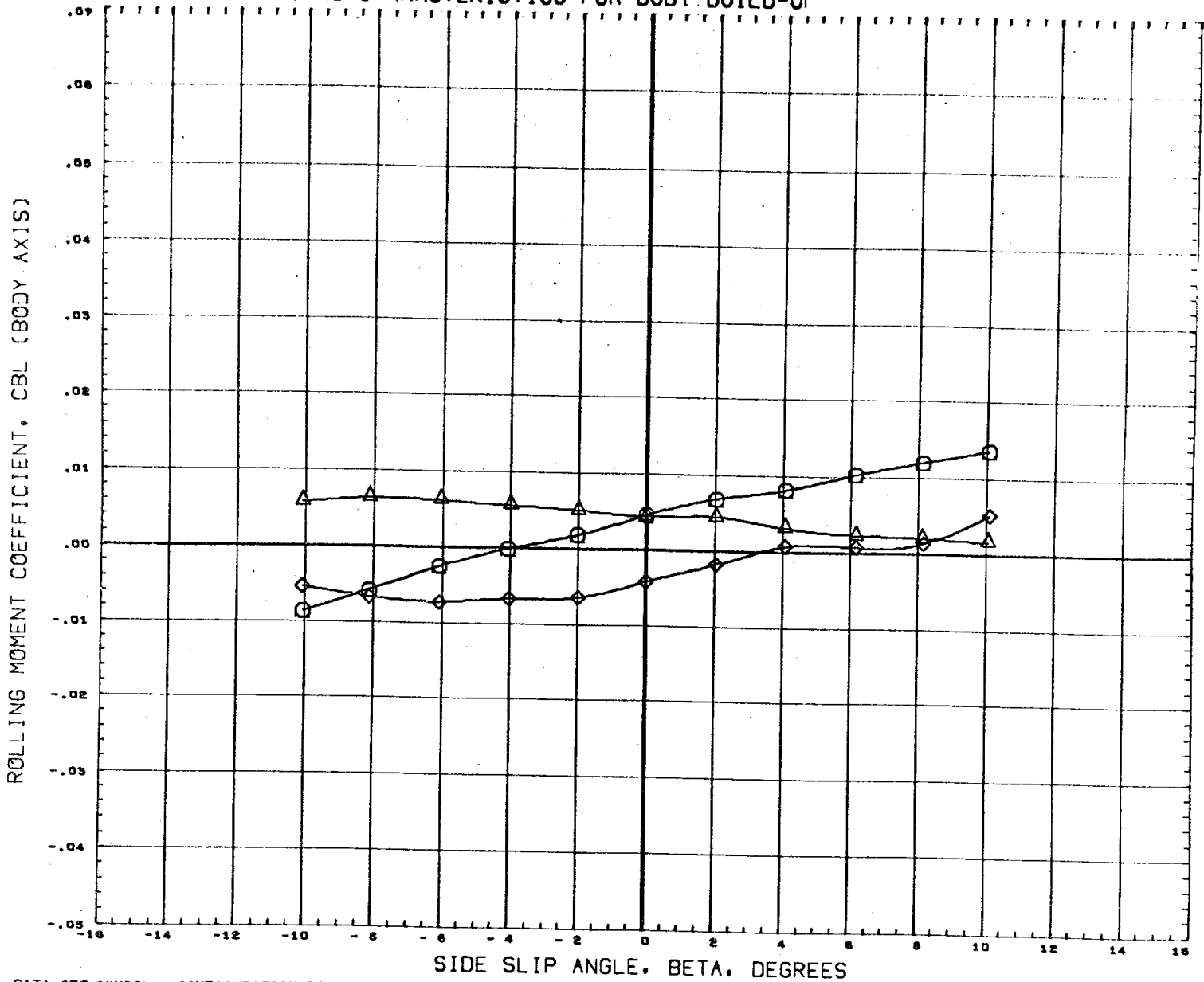
LATERAL-DIRECTIONAL CHARACTERISTICS FOR BODY BUILD-UP



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	RUDFLR	RUDDER	REFERENCE INFORMATION	
(A76204)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000			SREF	7.4190 SQ. IN.
(A76205)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	10.000	0.000			LREF	2.1020 IN.
(A76206)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	20.000	0.000			BREF	4.0300 IN.
(A76207)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	30.000	0.000			XMRP	3.4330 IN.
(A76208)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	50.000	0.000			YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 4.96

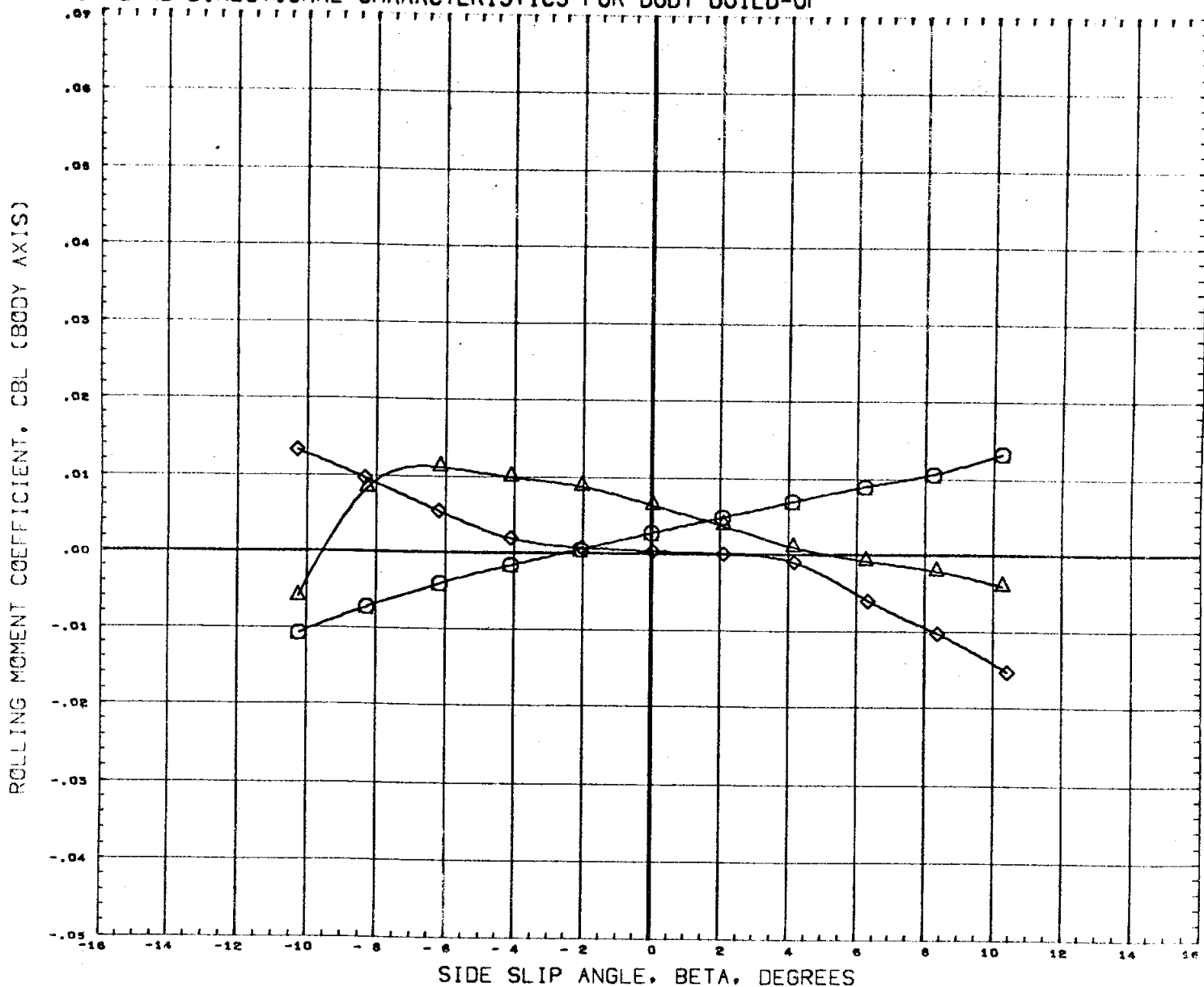
LATERAL-DIRECTIONAL CHARACTERISTICS FOR BODY BUILD-UP



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	RUDFLR	RUDDER	REFERENCE INFORMATION	
(A76204)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	0.000	0.000			SREF	7.4190 SQ.IN.
(A76205)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	10.000	0.000			LREF	2.1020 IN.
(A76206)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	20.000	0.000			BREF	4.0300 IN.
(A76207)	DATA NOT AVAILABLE FOR ALL CONDITIONS	30.000	0.000			XMRP	3.4530 IN.
(A76208)	DATA NOT AVAILABLE FOR ALL CONDITIONS	50.000	0.000			YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH .60

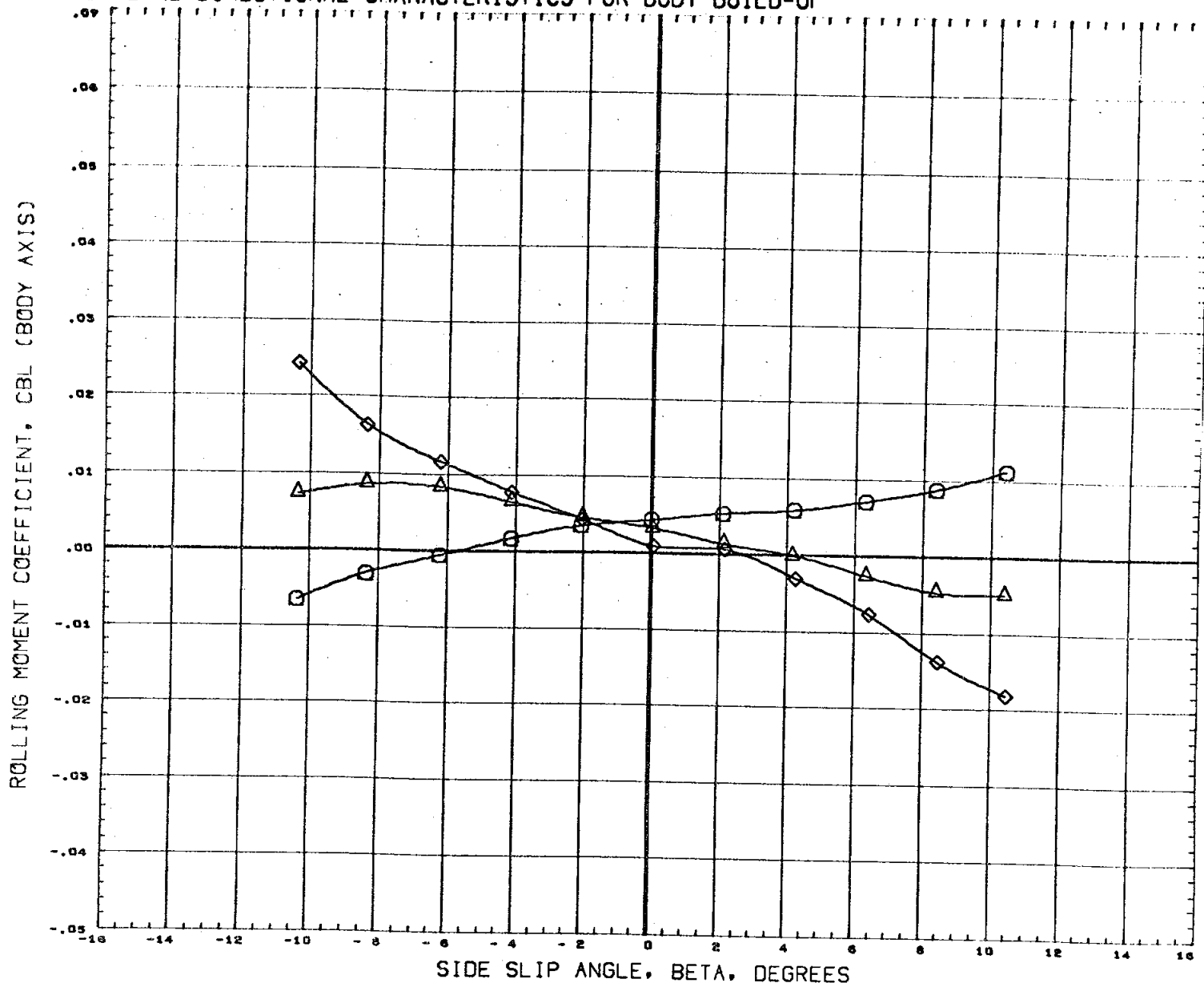
LATERAL-DIRECTIONAL CHARACTERISTICS FOR BODY BUILD-UP



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	RUDFLR	RUDDER	REFERENCE INFORMATION	
(A76204)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	0.000	0.000			SREF	7.4190 SQ. IN.
(A76205)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	10.000	0.000			LREF	2.1020 IN.
(A76206)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	20.000	0.000			BREF	4.0300 IN.
(A76207)	DATA NOT AVAILABLE FOR ALL CONDITIONS	30.000	0.000			XMRP	3.4530 IN.
(A76208)	DATA NOT AVAILABLE FOR ALL CONDITIONS	50.000	0.000			YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH .91

LATERAL-DIRECTIONAL CHARACTERISTICS FOR BODY BUILD-UP

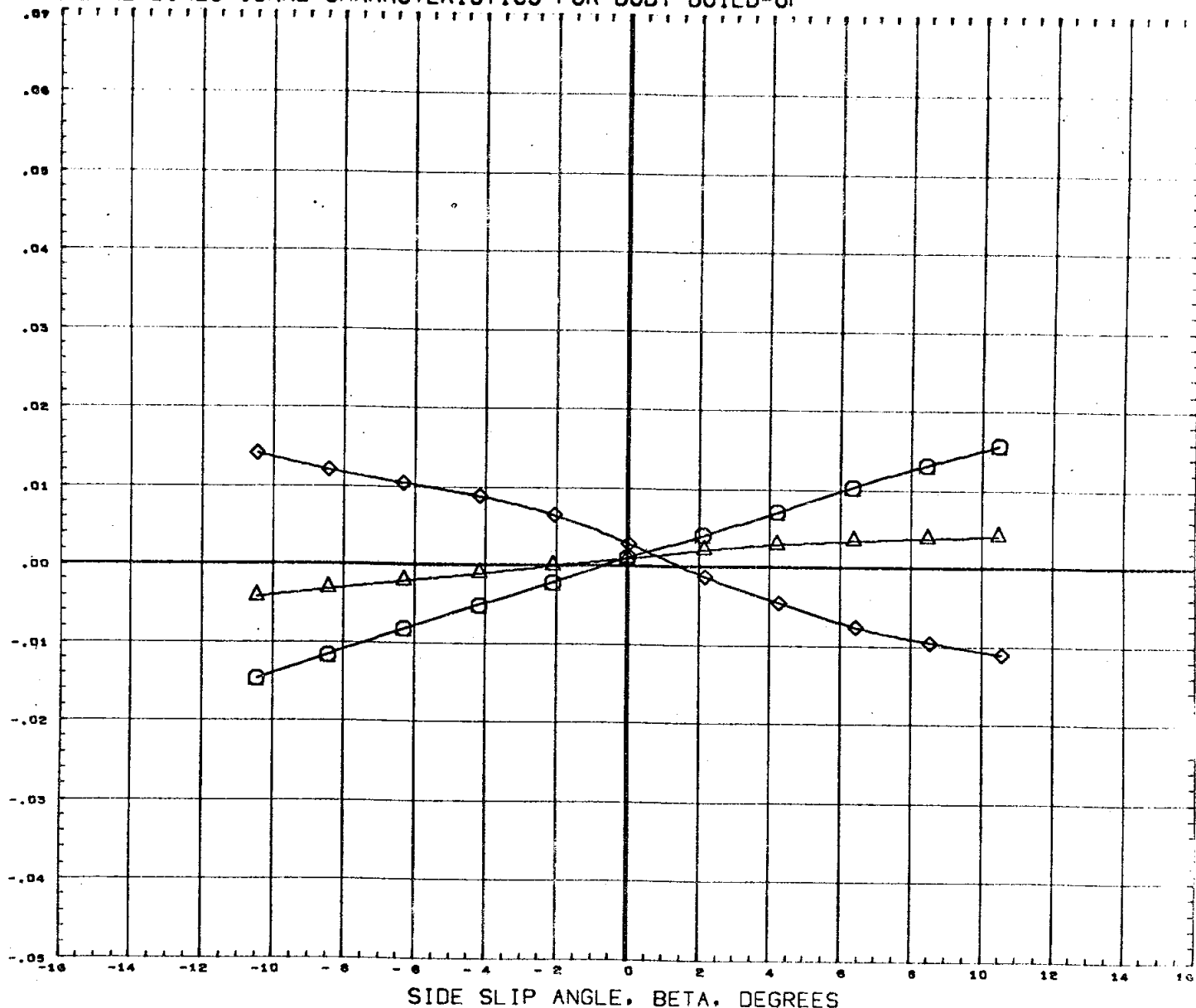


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	RUDFLR	RUDDER	REFERENCE INFORMATION	
(A76204)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	0.000	0.000			SREF	7.4190 SQ.IN.
(A76205)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	10.000	0.000			LREF	2.1020 IN.
(A76206)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	20.000	0.000			BREF	4.0300 IN.
(A76207)	DATA NOT AVAILABLE FOR ALL CONDITIONS	30.000	0.000			XMRP	3.4530 IN.
(A76208)	DATA NOT AVAILABLE FOR ALL CONDITIONS	50.000	0.000			YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 1.20

LATERAL-DIRECTIONAL CHARACTERISTICS FOR BODY BUILD-UP

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



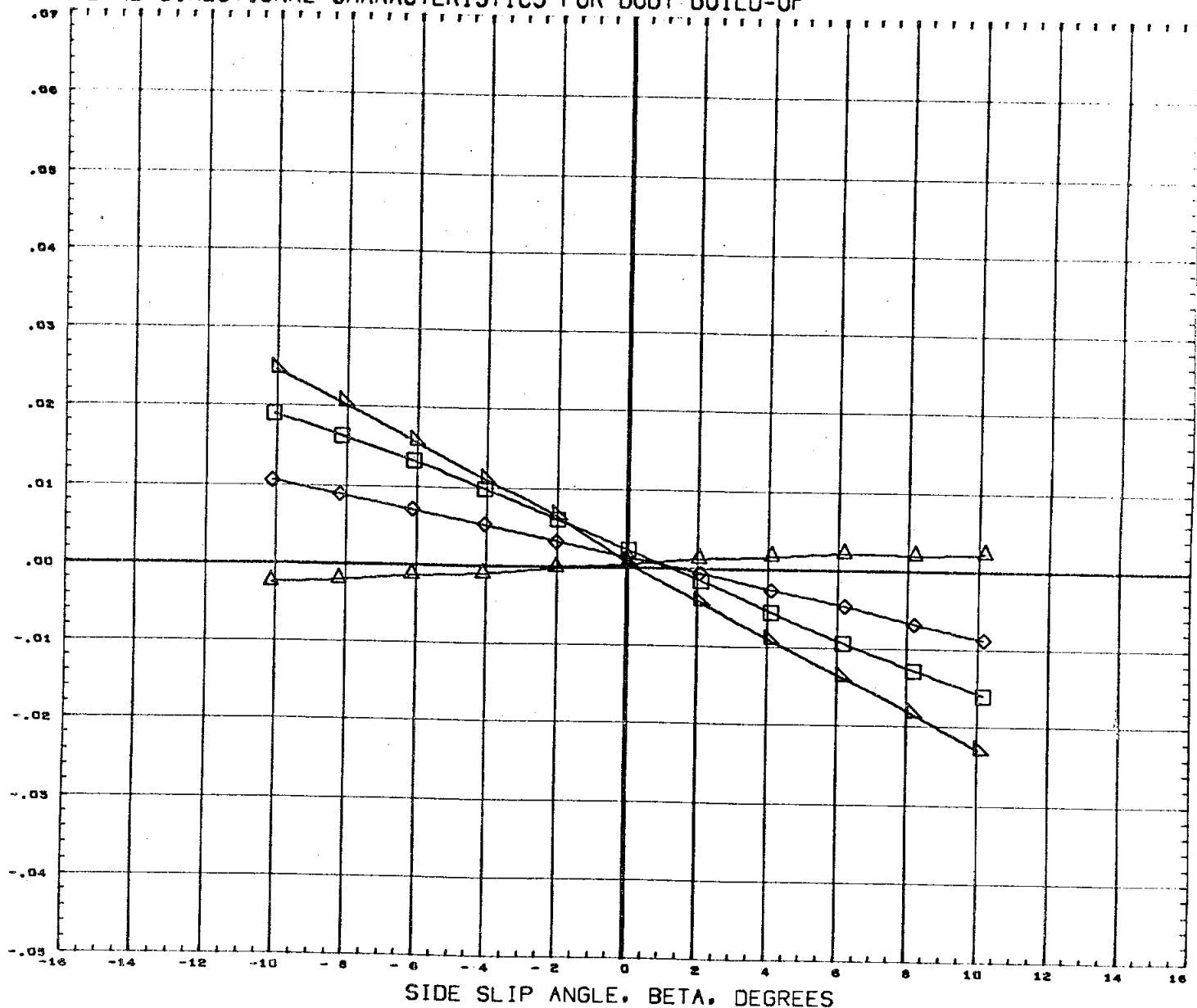
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	RUDFLR	RUDDER	REFERENCE INFORMATION	
(A76204)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	0.000	0.000			SREF	7.4190 SQ. IN.
(A76205)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	10.000	0.000			LREF	2.1020 IN.
(A76206)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	20.000	0.000			BREF	4.0300 IN.
(A76207)	DATA NOT AVAILABLE FOR ALL CONDITIONS	30.000	0.000			XMRP	3.4530 IN.
(A76208)	DATA NOT AVAILABLE FOR ALL CONDITIONS	50.000	0.000			YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 1.96

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LATERAL-DIRECTIONAL CHARACTERISTICS FOR BODY BUILD-UP

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)

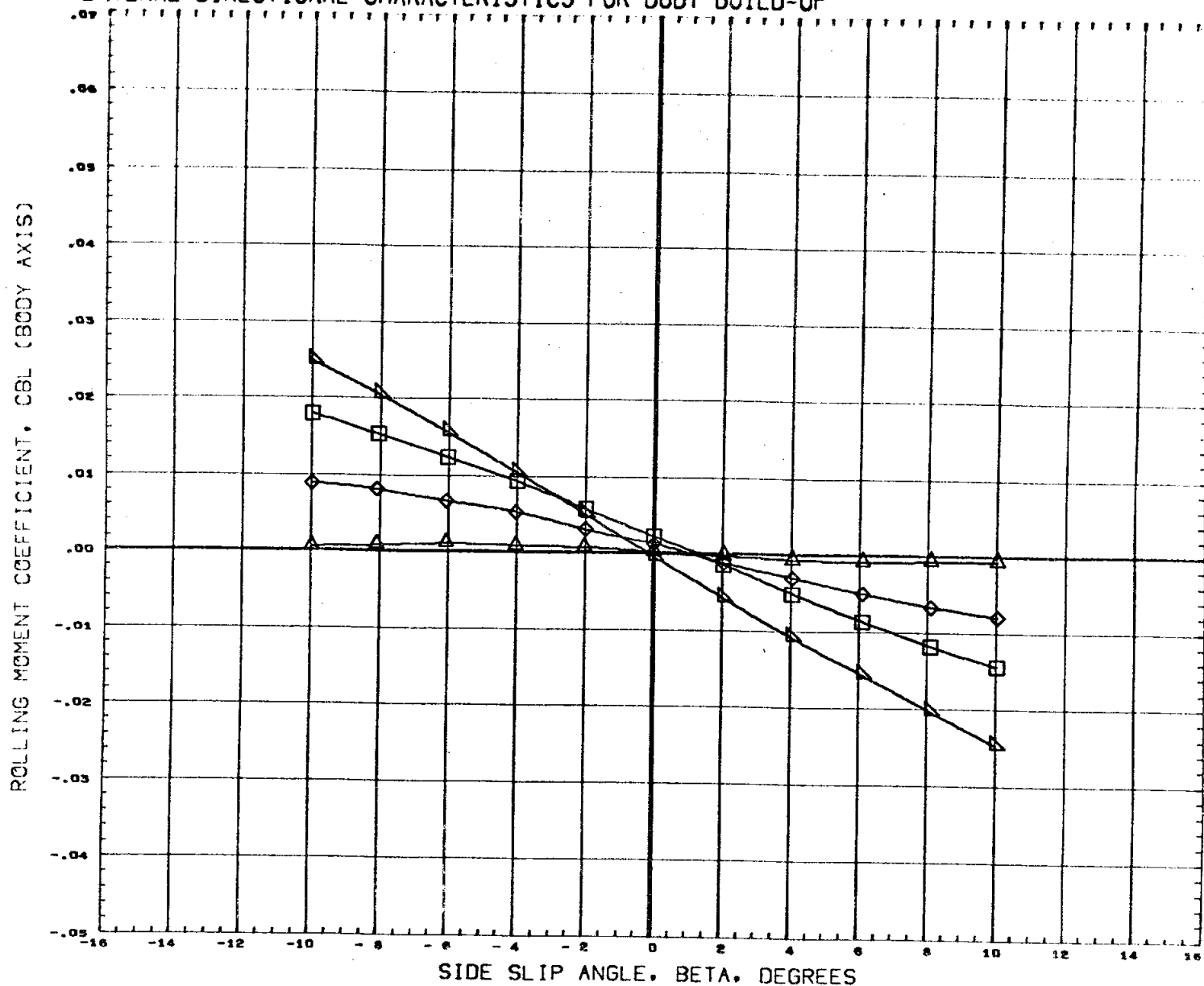


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	RUDFLR	RUDDER	REFERENCE INFORMATION	
(A76204)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000			SREF	7.4190 SQ. IN.
(A76205)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	10.000	0.000			LREF	2.1020 IN.
(A76206)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	20.000	0.000			BREF	4.0300 IN.
(A76207)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	30.000	0.000			XMRP	3.4530 IN.
(A76208)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	50.000	0.000			YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 2.99

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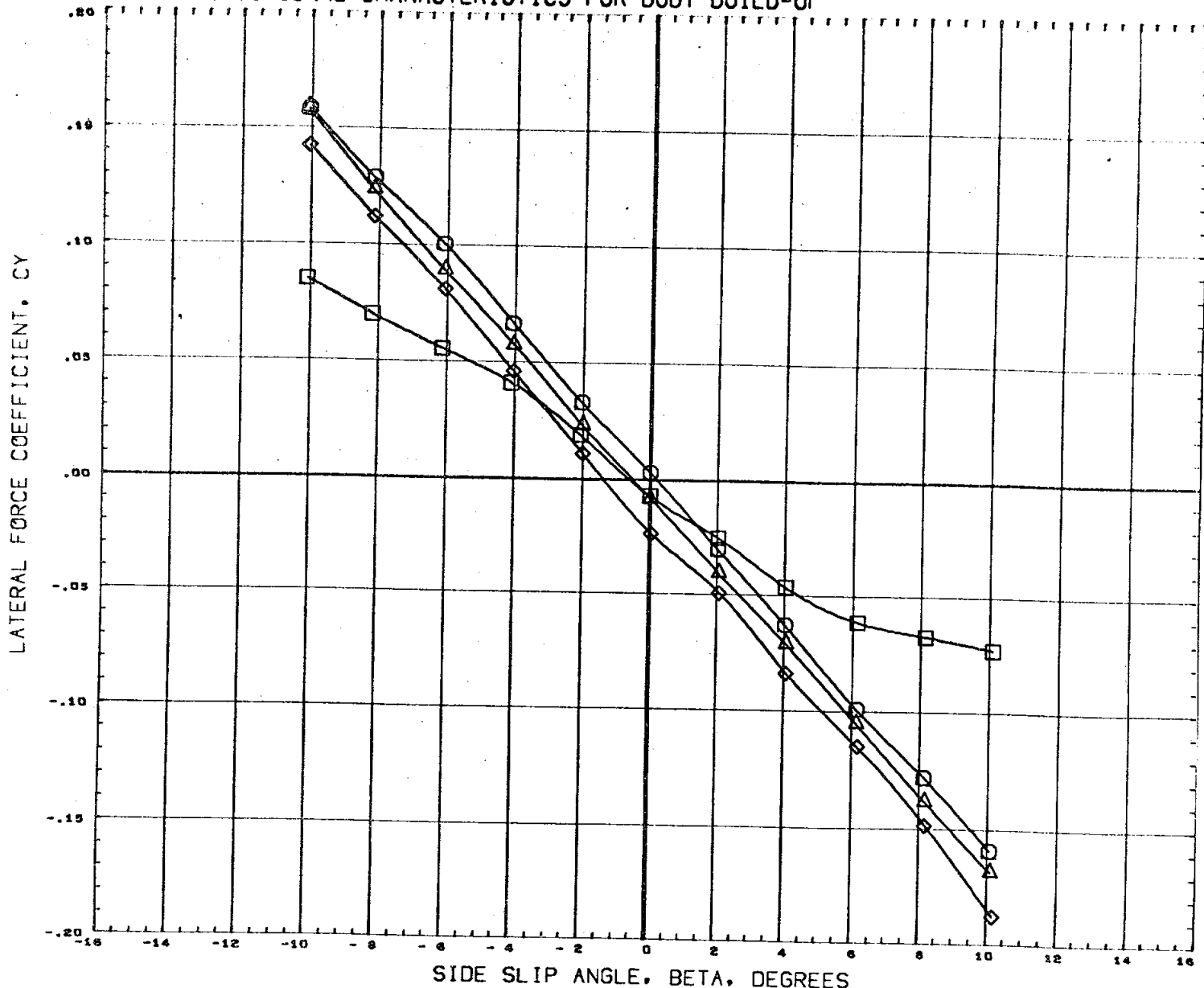
LATERAL-DIRECTIONAL CHARACTERISTICS FOR BODY BUILD-UP



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	RUDFLR	RUDDER	REFERENCE INFORMATION	
(A76204)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000			SREF	7.4190 SQ. IN.
(A76205)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	10.000	0.000			LREF	2.1020 IN.
(A76206)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	20.000	0.000			BREF	4.0300 IN.
(A76207)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	30.000	1.000			XMRP	3.4530 IN.
(A76208)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)	30.000	2.000			YMRP	0.0000 IN.
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MACH 4.96

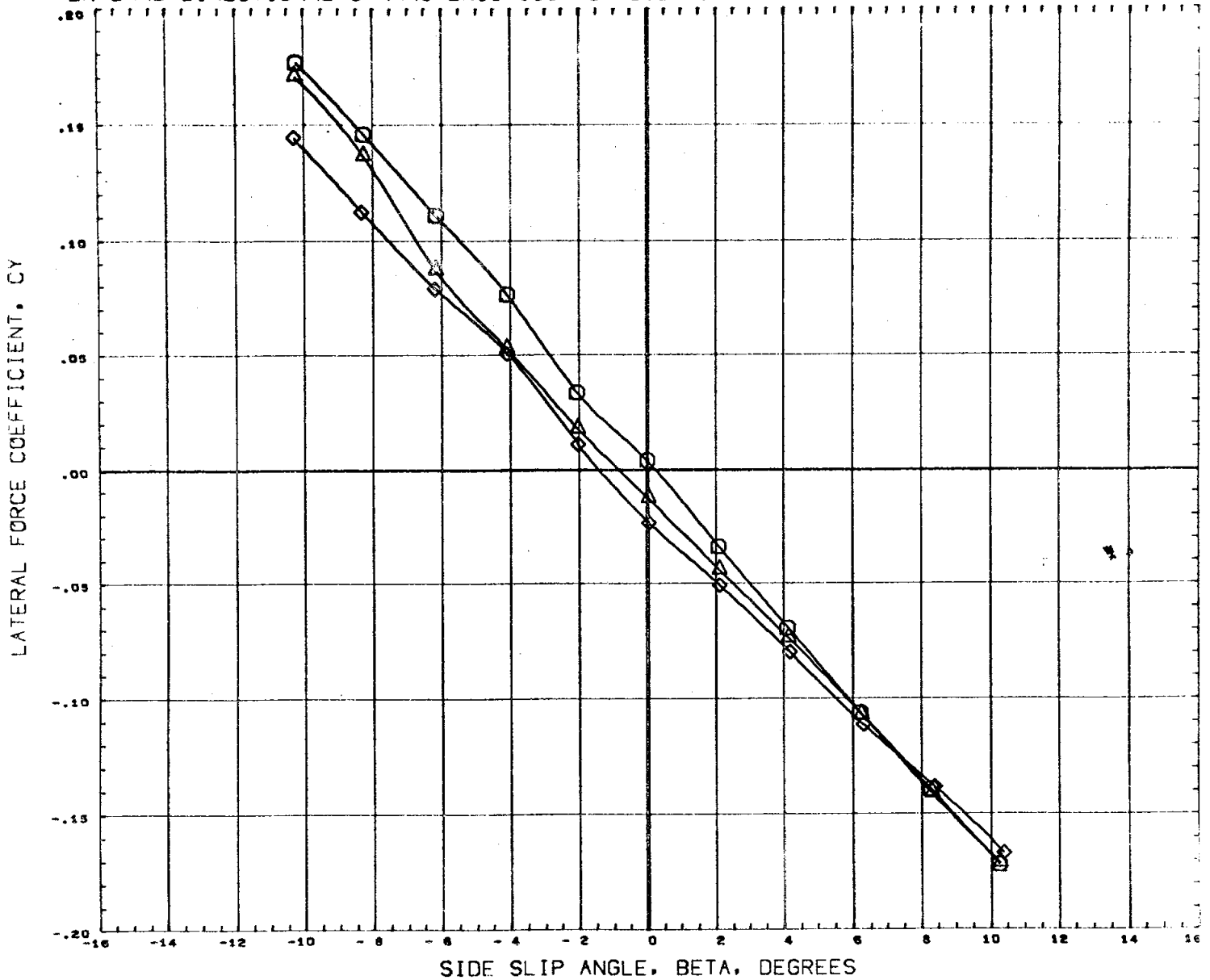
LATERAL-DIRECTIONAL CHARACTERISTICS FOR BODY BUILD-UP



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	RUDFLR	RUDDER	REFERENCE INFORMATION
(A76304)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF 7.4190 SQ. IN.
(A76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	10.000	0.000	10.000	0.000	LREF 2.1020 IN.
(A76306)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	20.000	0.000	10.000	0.000	BREF 4.0300 IN.
(A76307)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	30.000	0.000	10.000	0.000	XMRP 3.4530 IN.
(A76308)	DATA NOT AVAILABLE FOR ALL CONDITIONS	50.000	0.000	10.000	0.000	YMRP 0.0000 IN.
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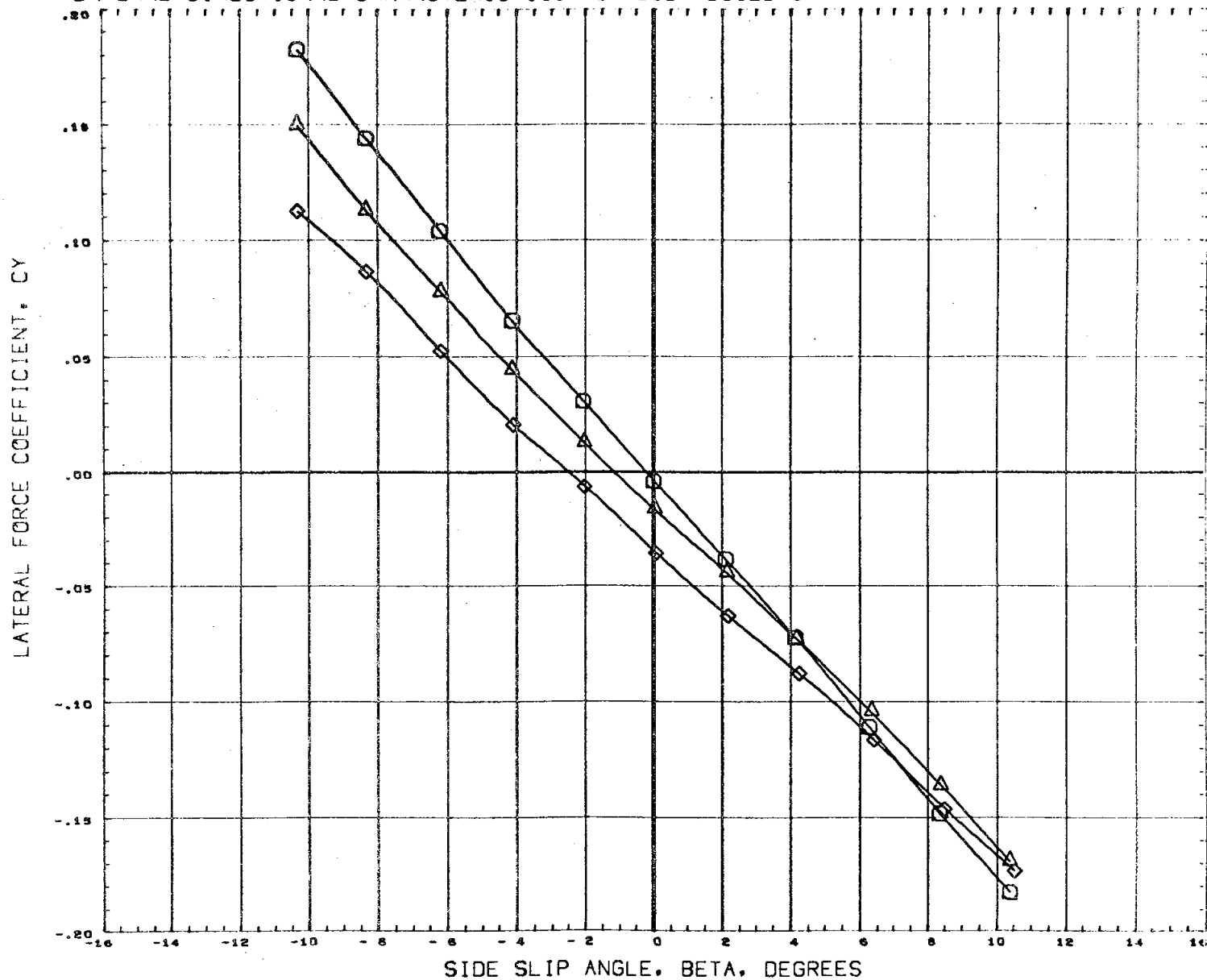
MACH .60

LATERAL-DIRECTIONAL CHARACTERISTICS FOR BODY BUILD-UP



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	RUDFLR	RUDDER	REFERENCE INFORMATION	
(A76304)	M555(FA3) NAR ATP ORB (B1C1D1F1M1)(W1E1)(V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190 SQ.IN.
(A76305)	M555(FA3) NAR ATP ORB (B1C1D1F1M1)(W1E1)(V1K1R1)	10.000	0.000	10.000	0.000	LREF	2.1020 IN.
(A76306)	M555(FA3) NAR ATP ORB (B1C1D1F1M1)(W1E1)(V1K1R1)	20.000	0.000	10.000	0.000	BREF	4.0300 IN.
(A76307)	DATA NOT AVAILABLE FOR ALL CONDITIONS	30.000	0.000	10.000	0.000	XMRP	3.4530 IN.
(A76308)	DATA NOT AVAILABLE FOR ALL CONDITIONS	50.000	0.000	10.000	0.000	YMRP	0.0000 IN.
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						SCALE	0.0040

LATERAL-DIRECTIONAL CHARACTERISTICS FOR BODY BUILD-UP

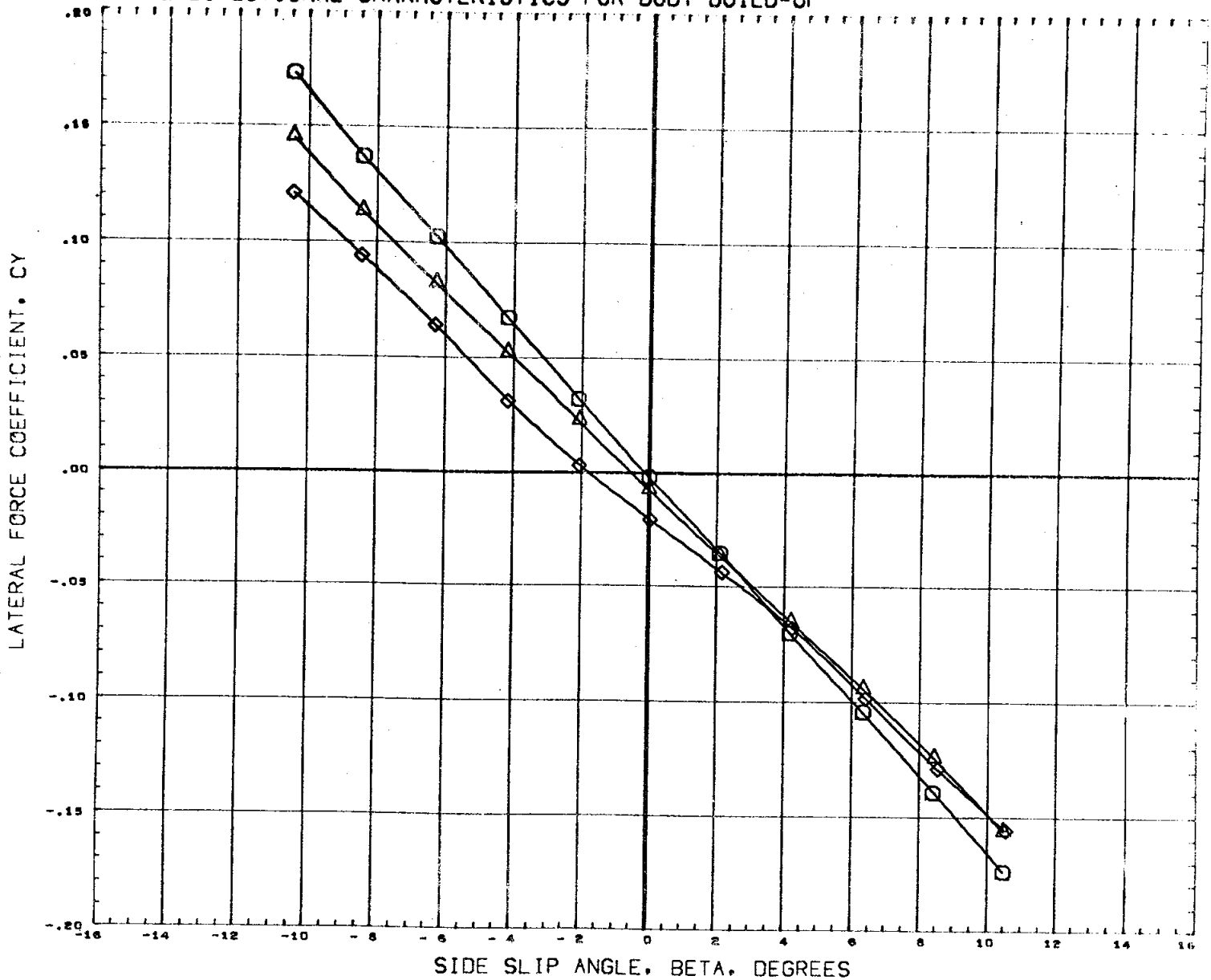


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	RUDFLR	RUDDER	REFERENCE INFORMATION	
(A76304)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(A76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	10.000	0.000	10.000	0.000	LREF	2.1020 IN.
(A76306)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	20.000	0.000	10.000	0.000	BREF	4.0300 IN.
(A76307)	DATA NOT AVAILABLE FOR ALL CONDITIONS	30.000	0.000	10.000	0.000	XMRP	3.4530 IN.
(A76308)	DATA NOT AVAILABLE FOR ALL CONDITIONS	50.000	0.000	10.000	0.000	YMRP	0.0000 IN.
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MACH 1.20

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LATERAL-DIRECTIONAL CHARACTERISTICS FOR BODY BUILD-UP

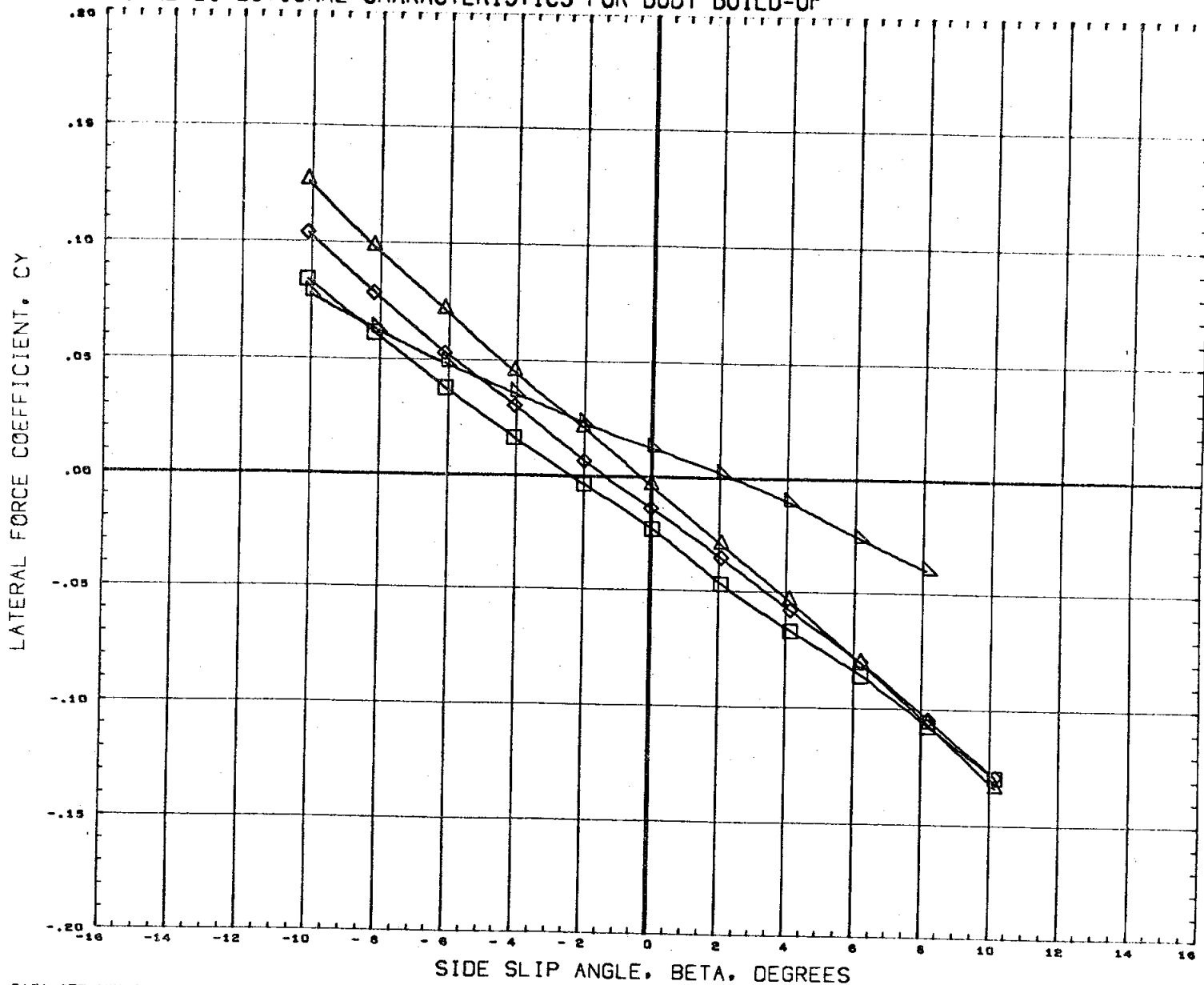


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(A76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	10.000	0.000	10.000	0.000	LREF	2.1020 IN.
(A76306)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	20.000	0.000	10.000	0.000	BREF	4.0300 IN.
(A76307)	DATA NOT AVAILABLE FOR ALL CONDITIONS	30.000	0.000	10.000	0.000	XMRP	3.4530 IN.
(A76308)	DATA NOT AVAILABLE FOR ALL CONDITIONS	50.000	0.000	10.000	0.000	YMRP	0.0000 IN.
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MACH 1.96

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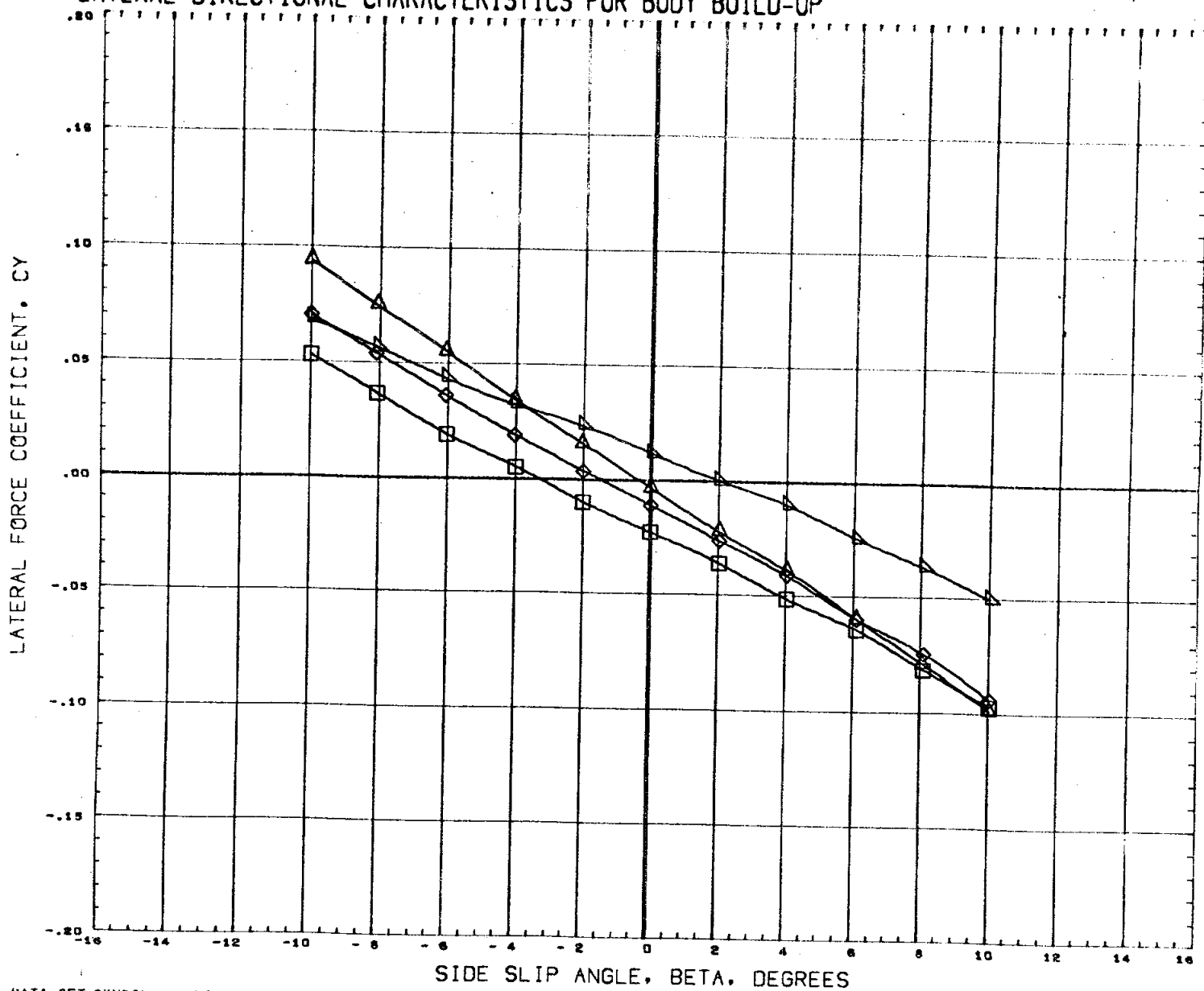
LATERAL-DIRECTIONAL CHARACTERISTICS FOR BODY BUILD-UP



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	RUDFLR	RUDDER	REFERENCE INFORMATION
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(A76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	10.000	0.000	10.000	0.000	LREF 2.1020 IN.
(A76306)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	20.000	0.000	10.000	0.000	BREF 4.0300 IN.
(A76307)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	30.000	0.000	10.000	0.000	XMRP 3.4530 IN.
(A76308)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	50.000	0.000	10.000	0.000	YMRP 0.0000 IN.
						ZMRP 0.0000 IN.
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MACH 2.99

LATERAL-DIRECTIONAL CHARACTERISTICS FOR BODY BUILD-UP

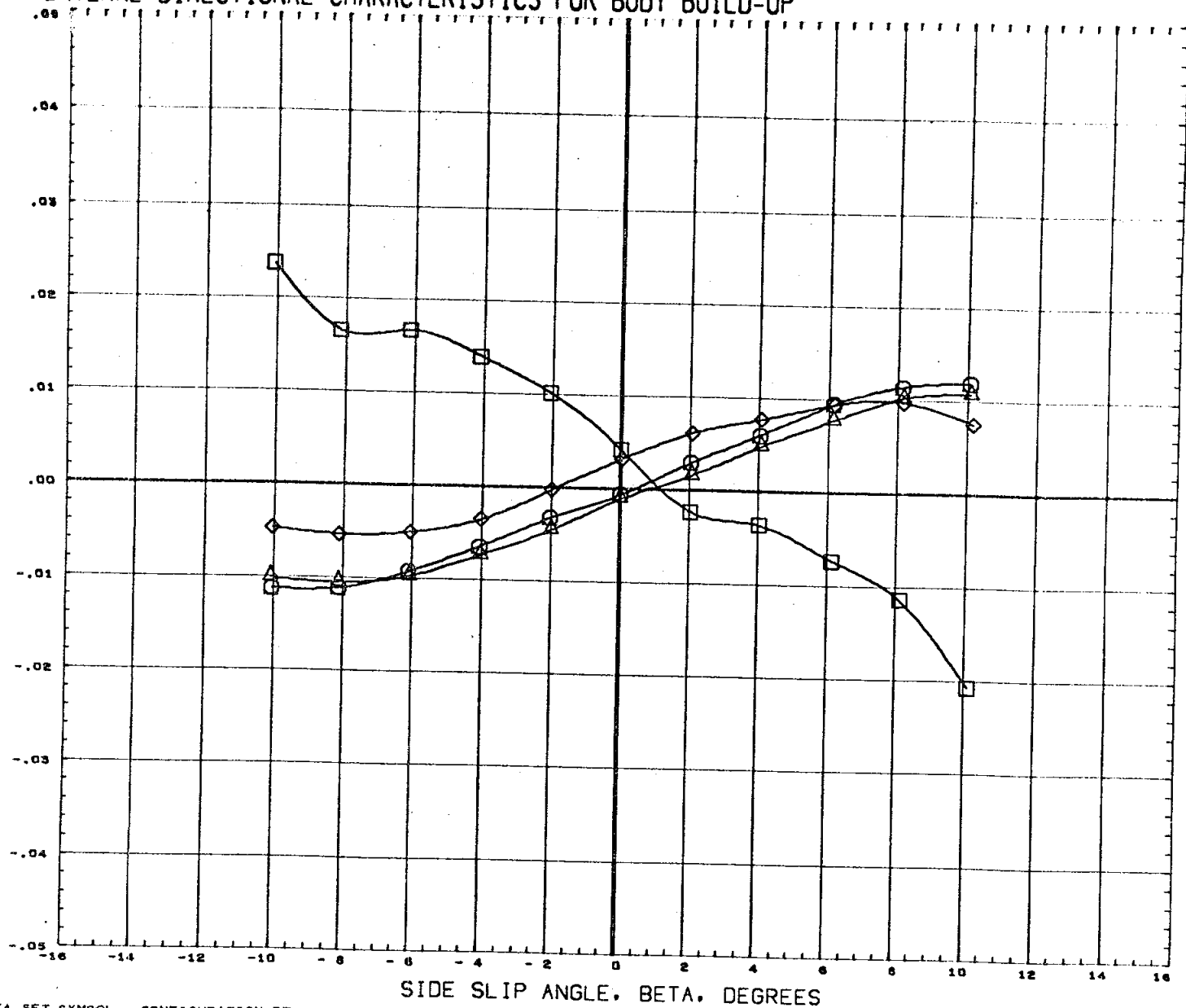


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(A76304)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(A76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	10.000	0.000	10.000	0.000	LREF	2.1020 IN.
(A76306)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	20.000	0.000	10.000	0.000	BREF	4.0300 IN.
(A76307)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	30.000	0.000	10.000	0.000	XMRP	3.4530 IN.
(A76308)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	50.000	0.000	10.000	0.000	YMRP	0.0000 IN.
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						SCALE	0.0040

MACH 4.96

LATERAL-DIRECTIONAL CHARACTERISTICS FOR BODY BUILD-UP

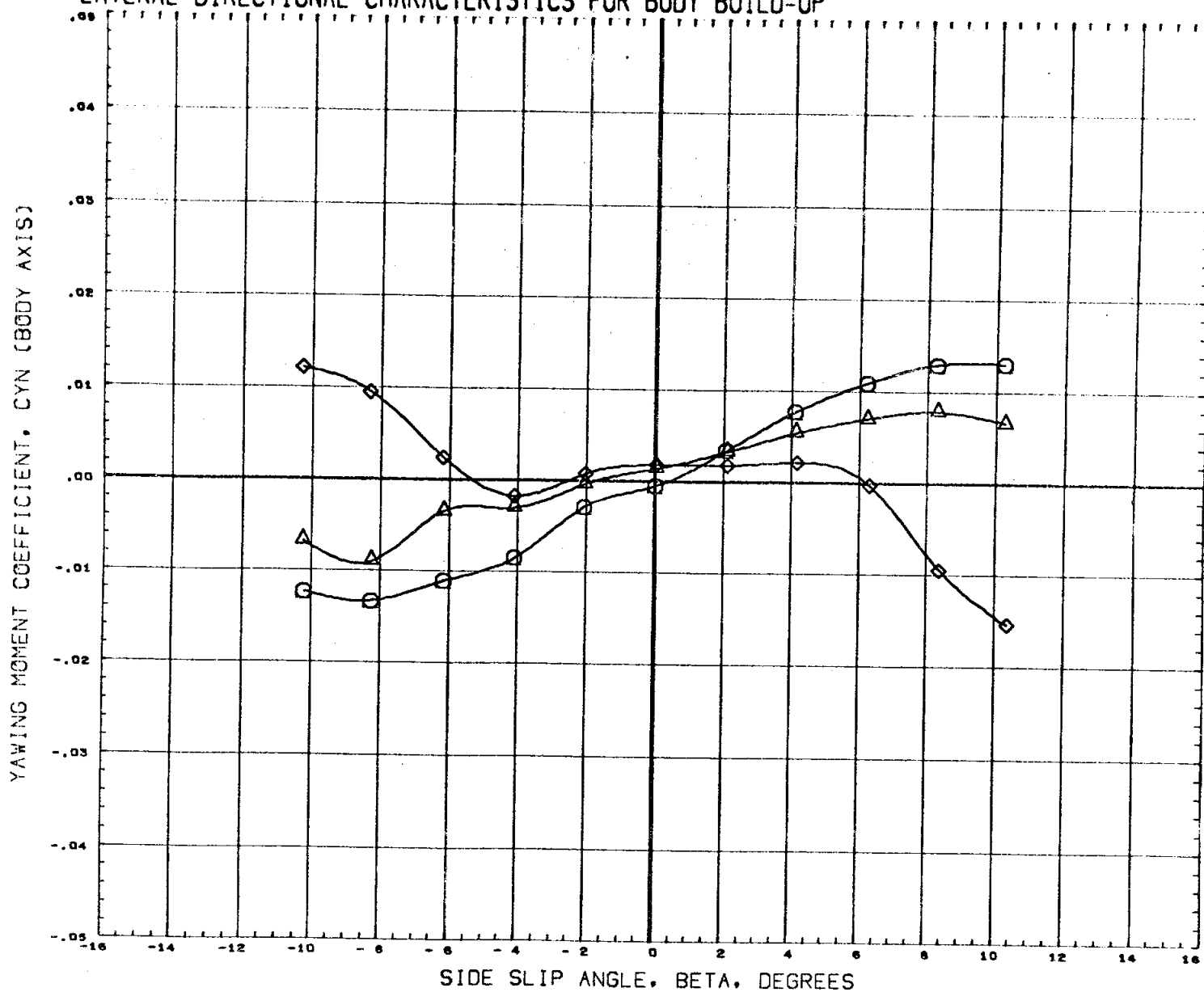
YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	RUDFLR	RUDDER	REFERENCE INFORMATION	
(A76304)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(A76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	10.000	0.000	10.000	0.000	LREF	2.1020 IN.
(A76306)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	20.000	0.000	10.000	0.000	BREF	4.0300 IN.
(A76307)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	30.000	0.000	10.000	0.000	XHRP	3.4530 IN.
(A76308)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	50.000	0.000	10.000	0.000	YHRP	0.0000 IN.
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MACH .60

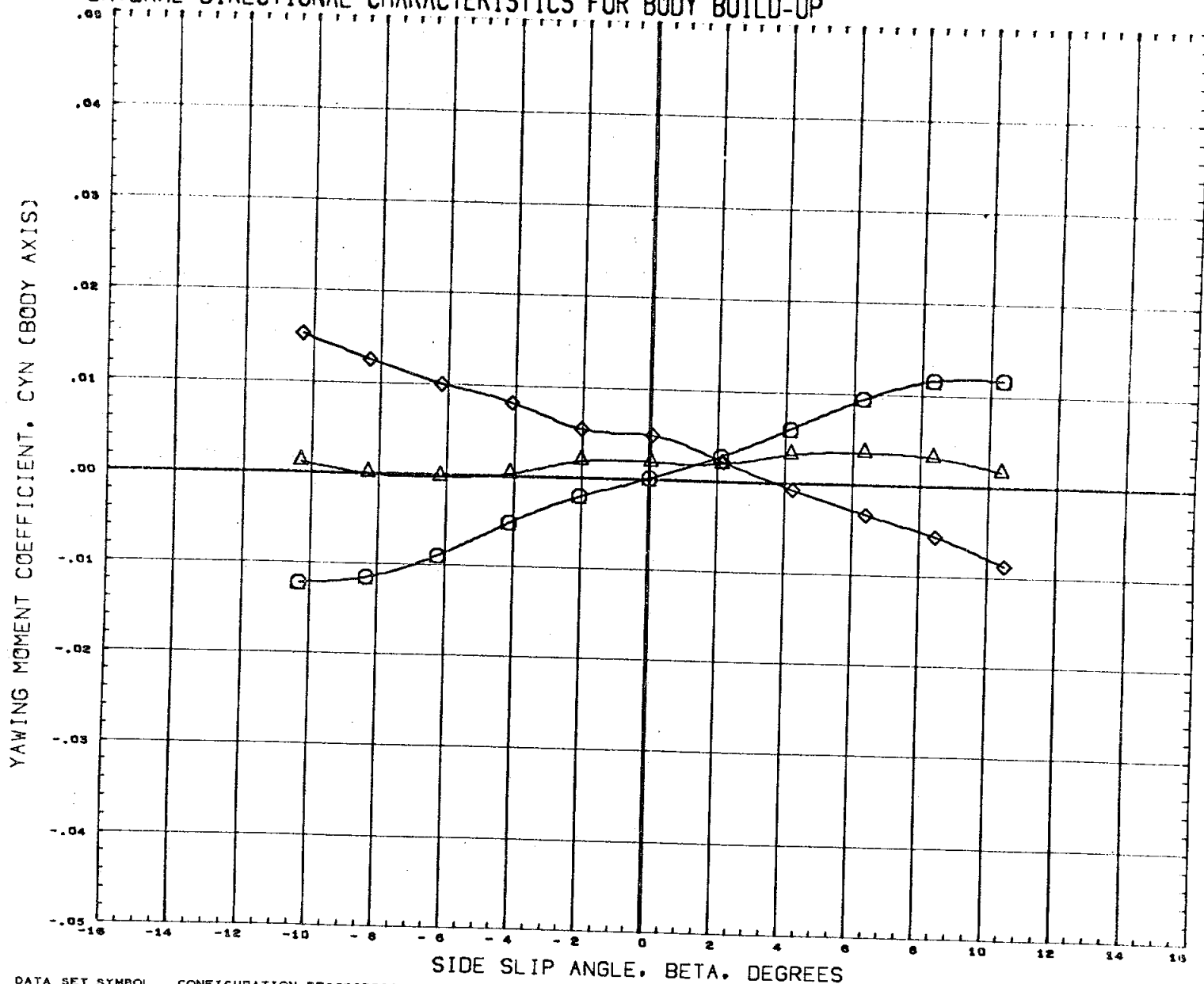
LATERAL-DIRECTIONAL CHARACTERISTICS FOR BODY BUILD-UP



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	RUDFLR	RUDDER	REFERENCE INFORMATION	
(A76304)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190 50.1N.
(A76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	10.000	0.000	10.000	0.000	LREF	2.1020 IN.
(A76306)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	20.000	0.000	10.000	0.000	SREF	4.0300 IN.
(A76307)	DATA NOT AVAILABLE FOR ALL CONDITIONS	30.000	0.000	10.000	0.000	XMRP	3.4530 IN.
(A76308)	DATA NOT AVAILABLE FOR ALL CONDITIONS	50.000	0.000	10.000	0.000	YMRP	0.0000 IN.
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MACH .91

LATERAL-DIRECTIONAL CHARACTERISTICS FOR BODY BUILD-UP



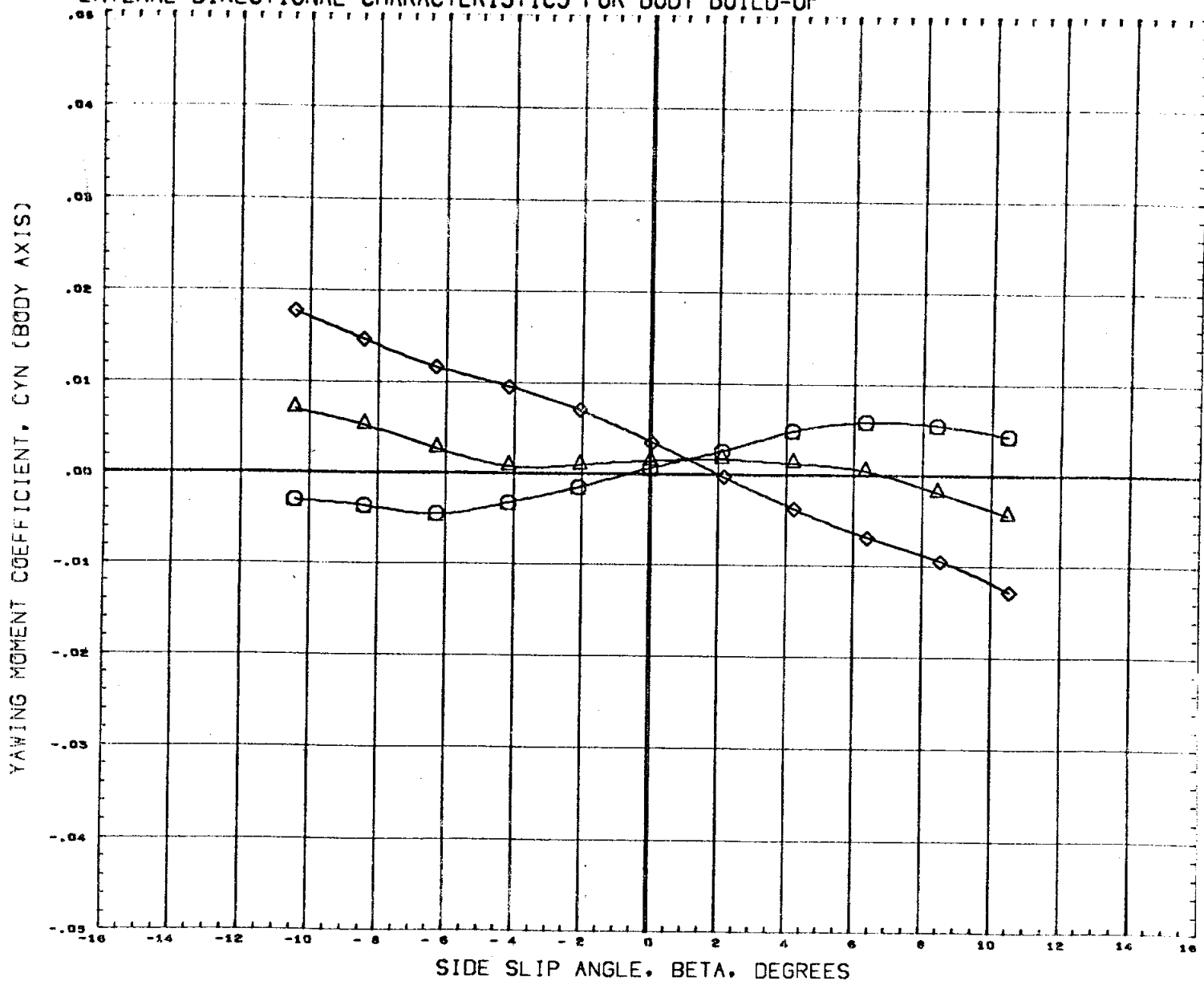
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 (A76306) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
 (A76307) DATA NOT AVAILABLE FOR ALL CONDITIONS
 (A76308) DATA NOT AVAILABLE FOR ALL CONDITIONS

ALPHA	ELEVTR	RUDFLR	RUDDER	REFERENCE INFORMATION	
0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
10.000	0.000	10.000	0.000	LREF	2.1020 IN.
20.000	0.000	10.000	0.000	BREF	4.0300 IN.
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50.000	0.000	10.000	0.000	YMRP	0.0000 IN.
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MACH 1.20

LATERAL-DIRECTIONAL CHARACTERISTICS FOR BODY BUILD-UP

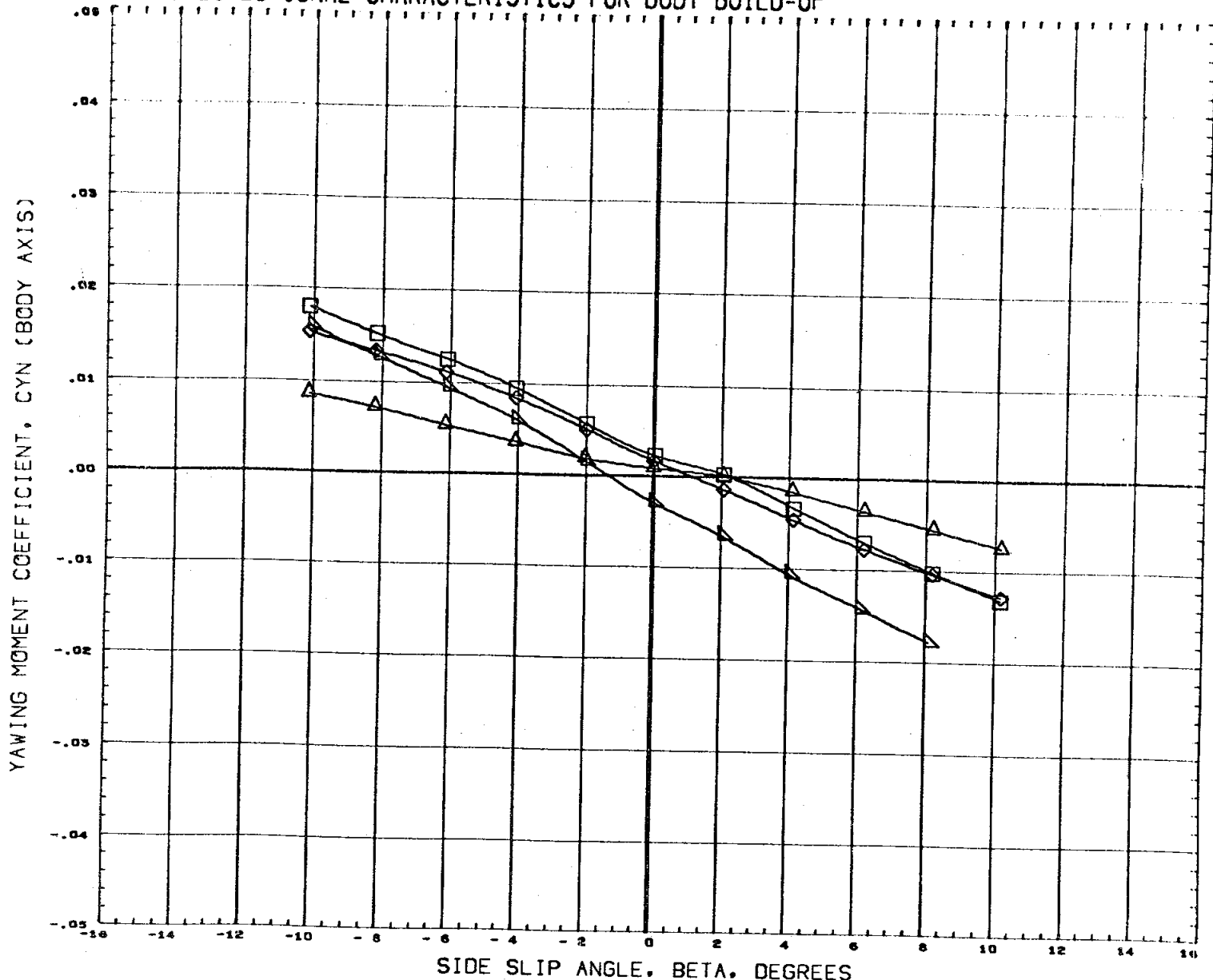


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(A76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	10.000	0.000	10.000	0.000	LREF	2.1020	IN.
(A76306)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	20.000	0.000	10.000	0.000	BREF	4.0300	IN.
(A76307)	DATA NOT AVAILABLE FOR ALL CONDITIONS	30.000	0.000	10.000	0.000	XMRP	3.4530	IN.
(A76308)	DATA NOT AVAILABLE FOR ALL CONDITIONS	50.000	0.000	10.000	0.000	YMRP	0.0000	IN.
						ZMRP	0.0000	IN.
						SCALE	0.0040	

MACH

1.96

LATERAL-DIRECTIONAL CHARACTERISTICS FOR BODY BUILD-UP



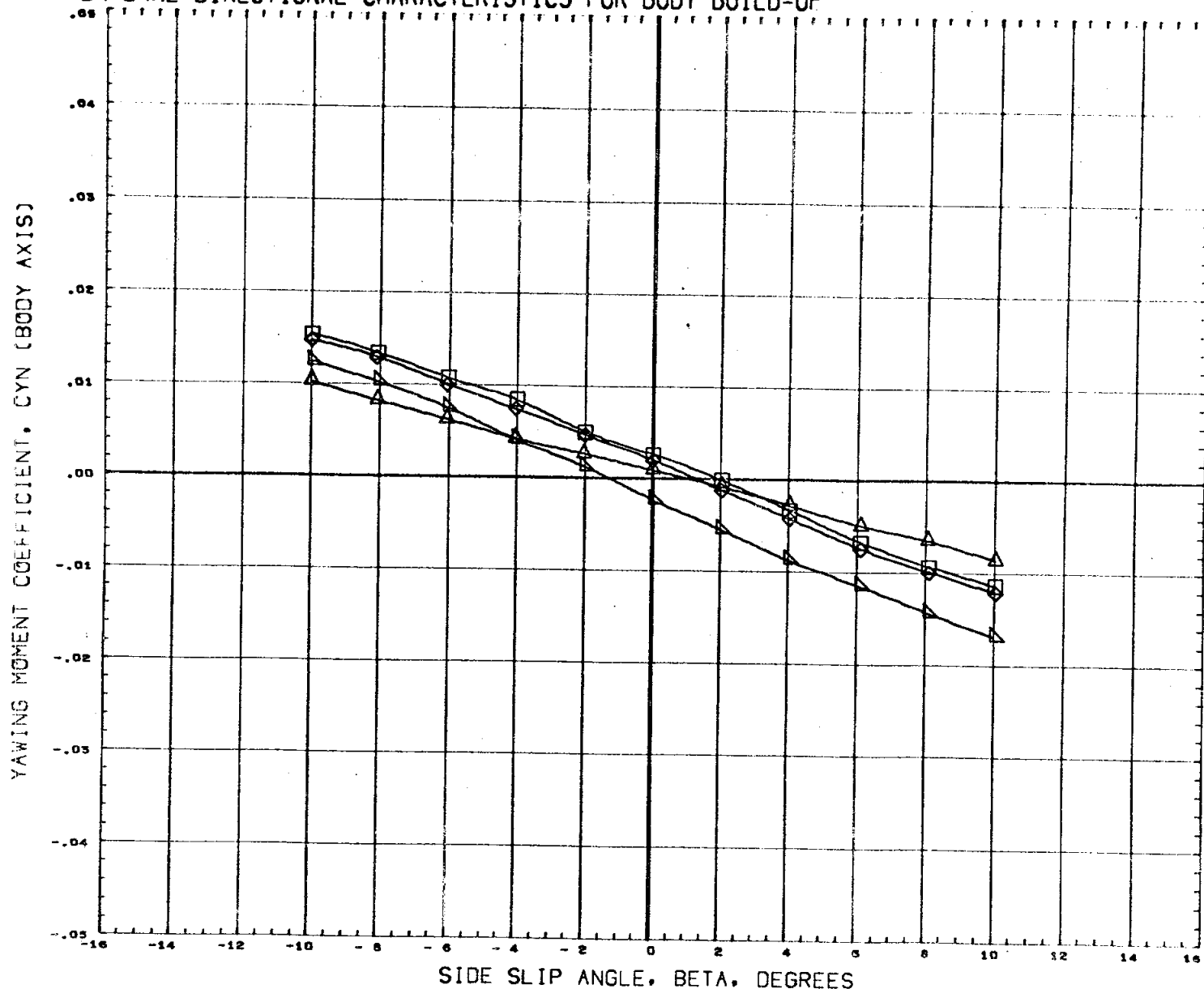
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(A76304)	□	DATA NOT AVAILABLE FOR ALL CONDITIONS
(A76305)	◇	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
(A76306)	△	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
(A76307)	○	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
(A76308)	▽	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

ALPHA	ELEVTR	RUDFLR	RUDDER	REFERENCE INFORMATION		
0.000	0.000	10.000	0.000	SREF	7.4190	Sq. IN.
10.000	0.000	10.000	0.000	LREF	2.1020	IN.
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30.000	0.000	10.000	0.000	XMRP	3.4530	IN.
50.000	0.000	10.000	0.000	YMRP	0.0000	IN.
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				SCALE	0.0040	

MACH 2.99

LATERAL-DIRECTIONAL CHARACTERISTICS FOR BODY BUILD-UP



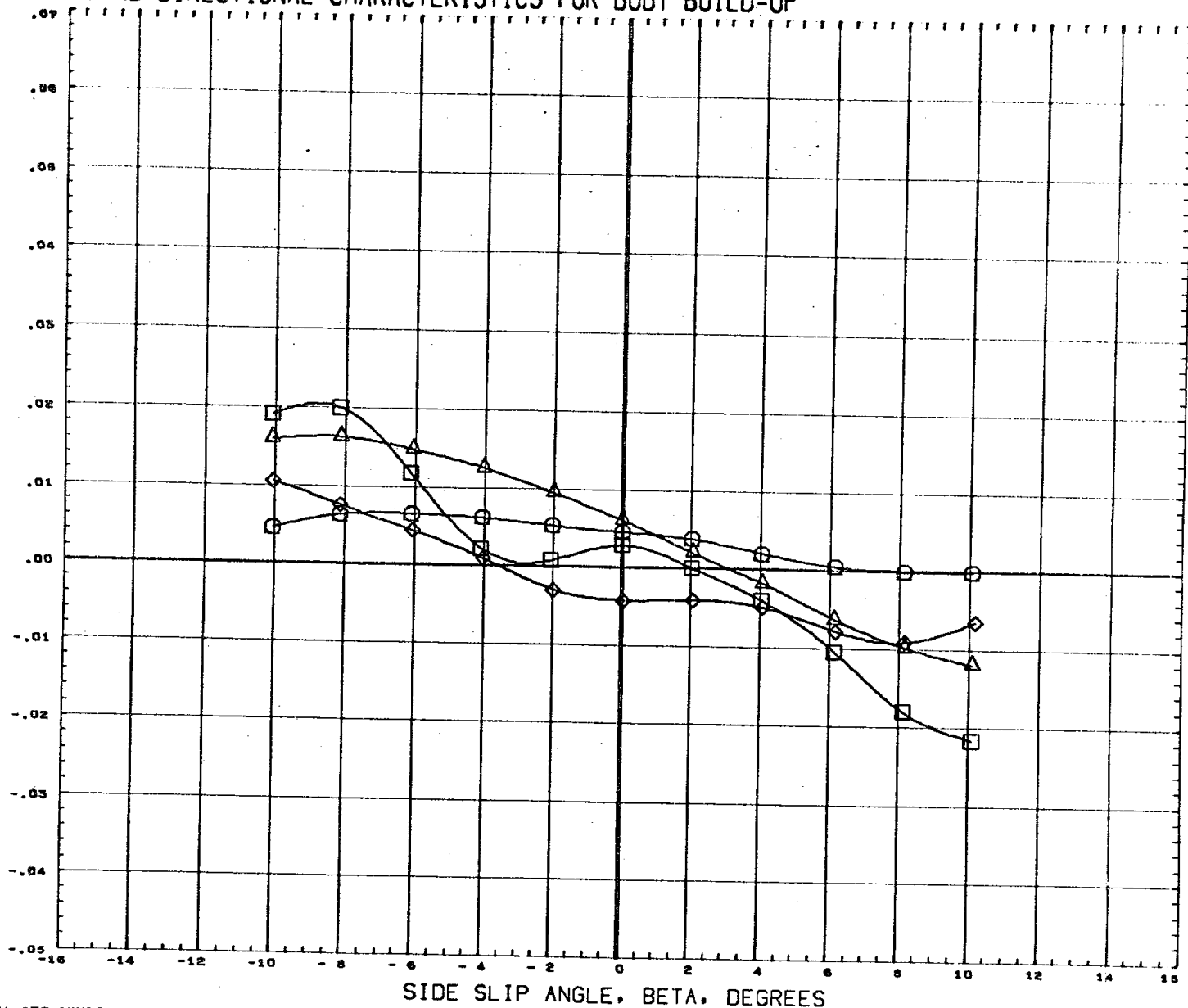
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	RUDFLR	RUDDER	REFERENCE INFORMATION	
(A76304)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(A76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	10.000	0.000	10.000	0.000	LREF	2.1020 IN.
(A76306)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	20.000	0.000	10.000	0.000	BREF	4.0300 IN.
(A76307)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	30.000	0.000	10.000	0.000	XMRP	3.4530 IN.
(A76308)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	50.000	1.000	10.000	0.000	YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH

4.96

LATERAL-DIRECTIONAL CHARACTERISTICS FOR BODY BUILD-UP

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



SIDE SLIP ANGLE, BETA, DEGREES

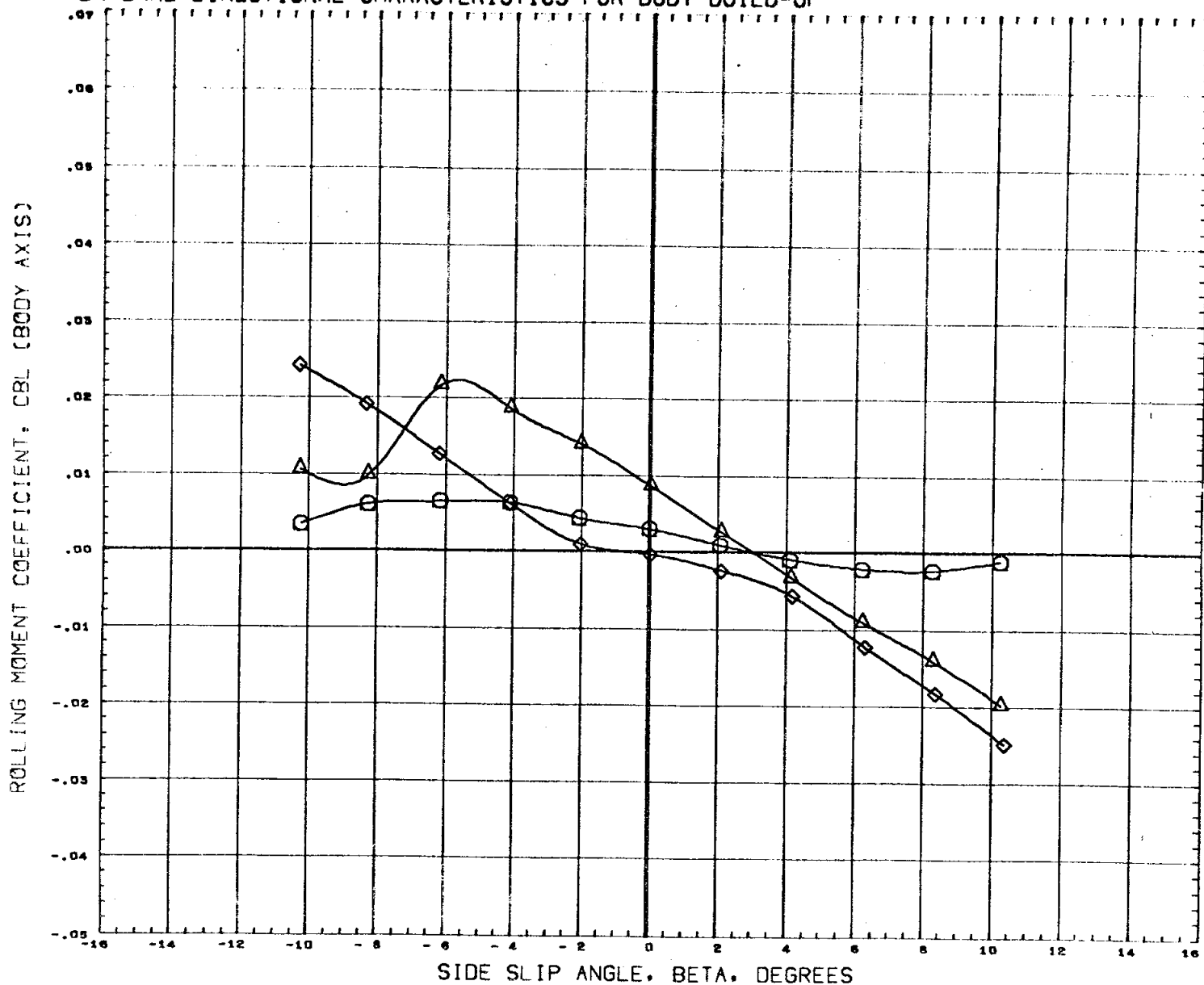
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	RUDFLR	RUDDER	REFERENCE INFORMATION	
(A76304)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(A76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	10.000	0.000	10.000	0.000	LREF	2.1020 IN.
(A76306)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	20.000	0.000	10.000	0.000	BREF	4.0300 IN.
(A76307)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	30.000	0.000	10.000	0.000	XMRP	3.4530 IN.
(A76308)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	50.000	0.000	10.000	0.000	YMRP	0.0000 IN.
	DATA NOT AVAILABLE FOR ALL CONDITIONS					ZMRP	0.0000 IN.
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MACH

.60

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LATERAL-DIRECTIONAL CHARACTERISTICS FOR BODY BUILD-UP

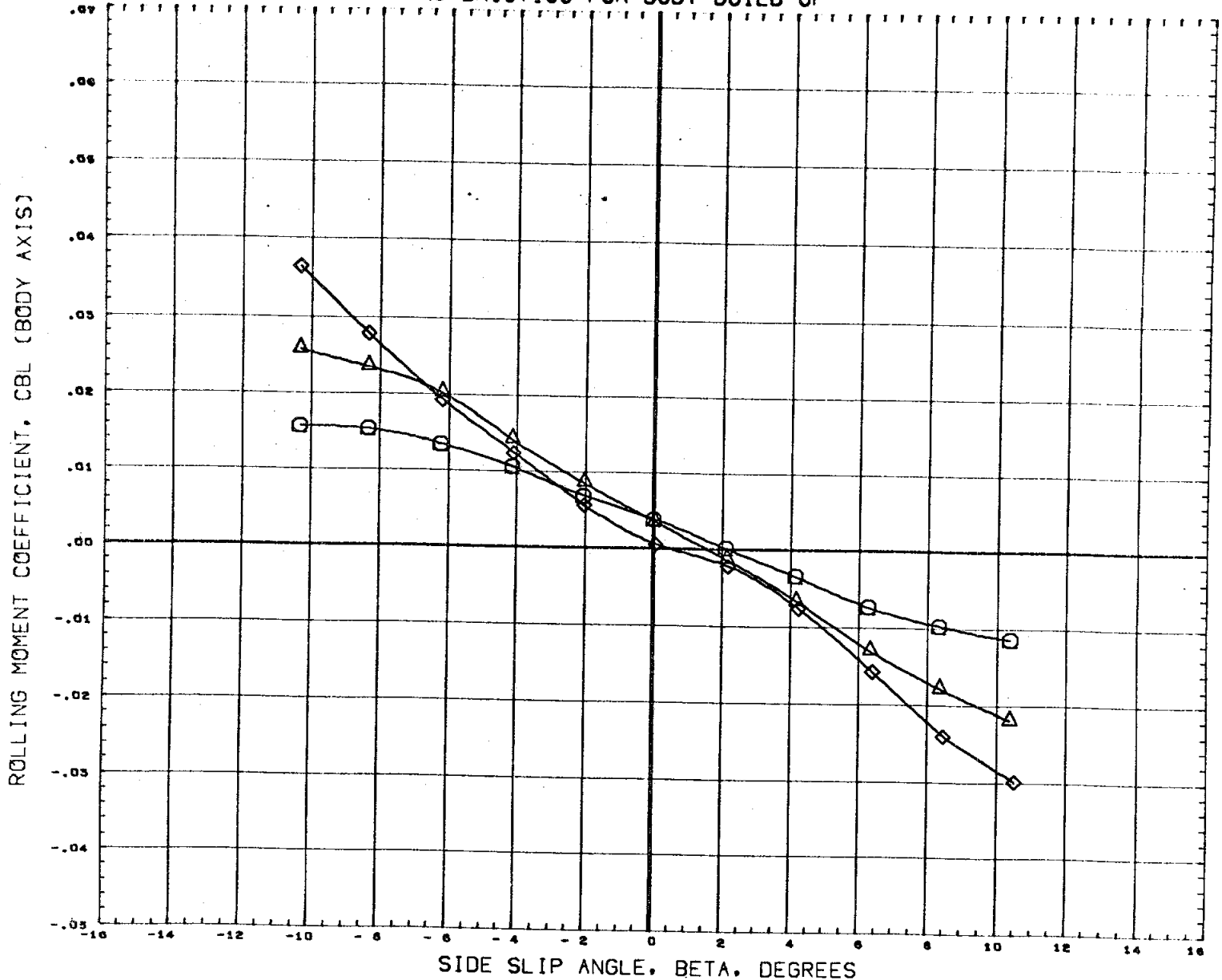


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	RUDFLR	RUDDER	REFERENCE INFORMATION
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(A76305)	M555(FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	10.000	0.000	10.000	0.000	LREF 2.1020 IN.
(A76306)	M555(FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	20.000	0.000	10.000	0.000	BREF 4.0300 IN.
(A76307)	M555(FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	30.000	0.000	10.000	0.000	XMRP 3.4530 IN.
(A76308)	DATA NOT AVAILABLE FOR ALL CONDITIONS	50.000	0.000	10.000	0.000	YMRP 0.0000 IN.
						ZMRP 0.0000 IN.
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MACH .91

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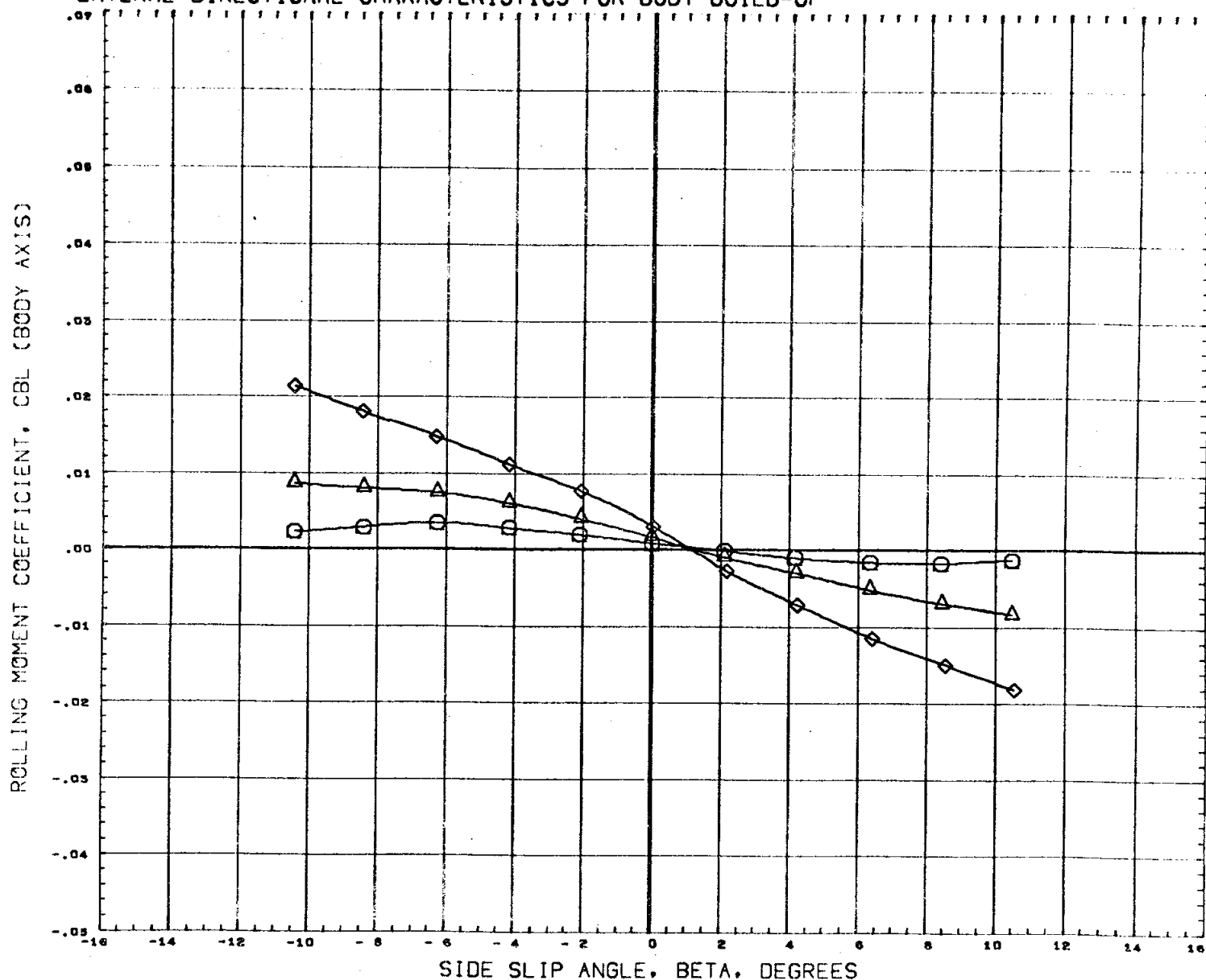
LATERAL-DIRECTIONAL CHARACTERISTICS FOR BODY BUILD-UP



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	RUDFLR	RUDDER	REFERENCE INFORMATION
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(A76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	10.000	0.000	10.000	0.000	LREF 2.1020 IN.
(A76306)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	20.000	0.000	10.000	0.000	BREF 4.0300 IN.
(A76307)	DATA NOT AVAILABLE FOR ALL CONDITIONS	30.000	0.000	10.000	0.000	XMRP 3.4530 IN.
(A76308)	DATA NOT AVAILABLE FOR ALL CONDITIONS	50.000	0.000	10.000	0.000	YMRP 0.0000 IN.
						ZMRP 0.0000 IN.
						SCALE 0.0040

MACH 1.20

LATERAL-DIRECTIONAL CHARACTERISTICS FOR BODY BUILD-UP



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	RUDFLR	RUDDER	REFERENCE INFORMATION	
(A76304)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(A76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	10.000	0.000	10.000	0.000	LREF	2.1020 IN.
(A76306)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	20.000	0.000	10.000	0.000	BREF	4.0300 IN.
(A76307)	DATA NOT AVAILABLE FOR ALL CONDITIONS	30.000	0.000	10.000	0.000	YMRP	3.4530 IN.
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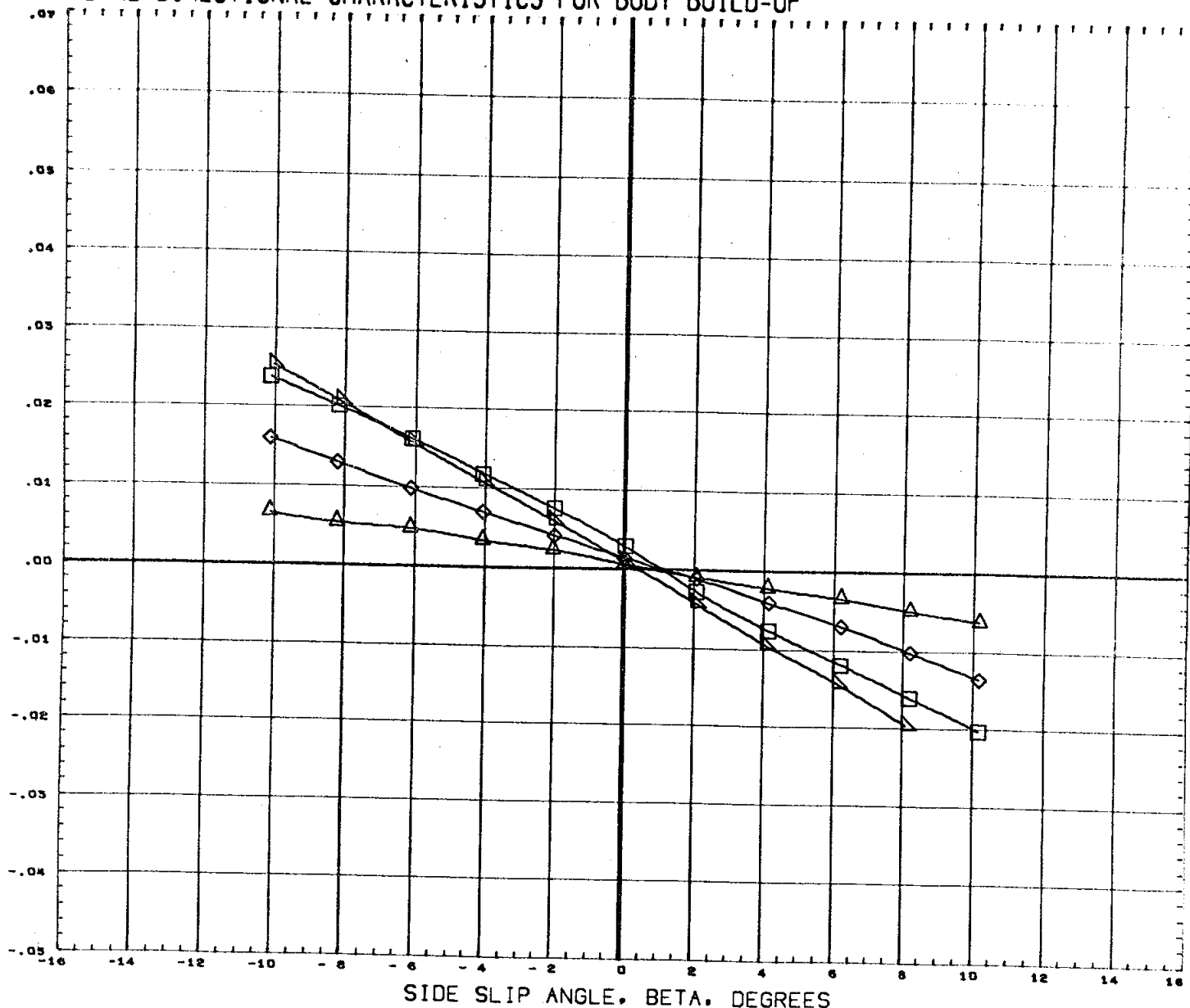
MACH

1.96

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LATERAL-DIRECTIONAL CHARACTERISTICS FOR BODY BUILD-UP

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



DATA SET SYMBOL CONFIGURATION DESCRIPTION

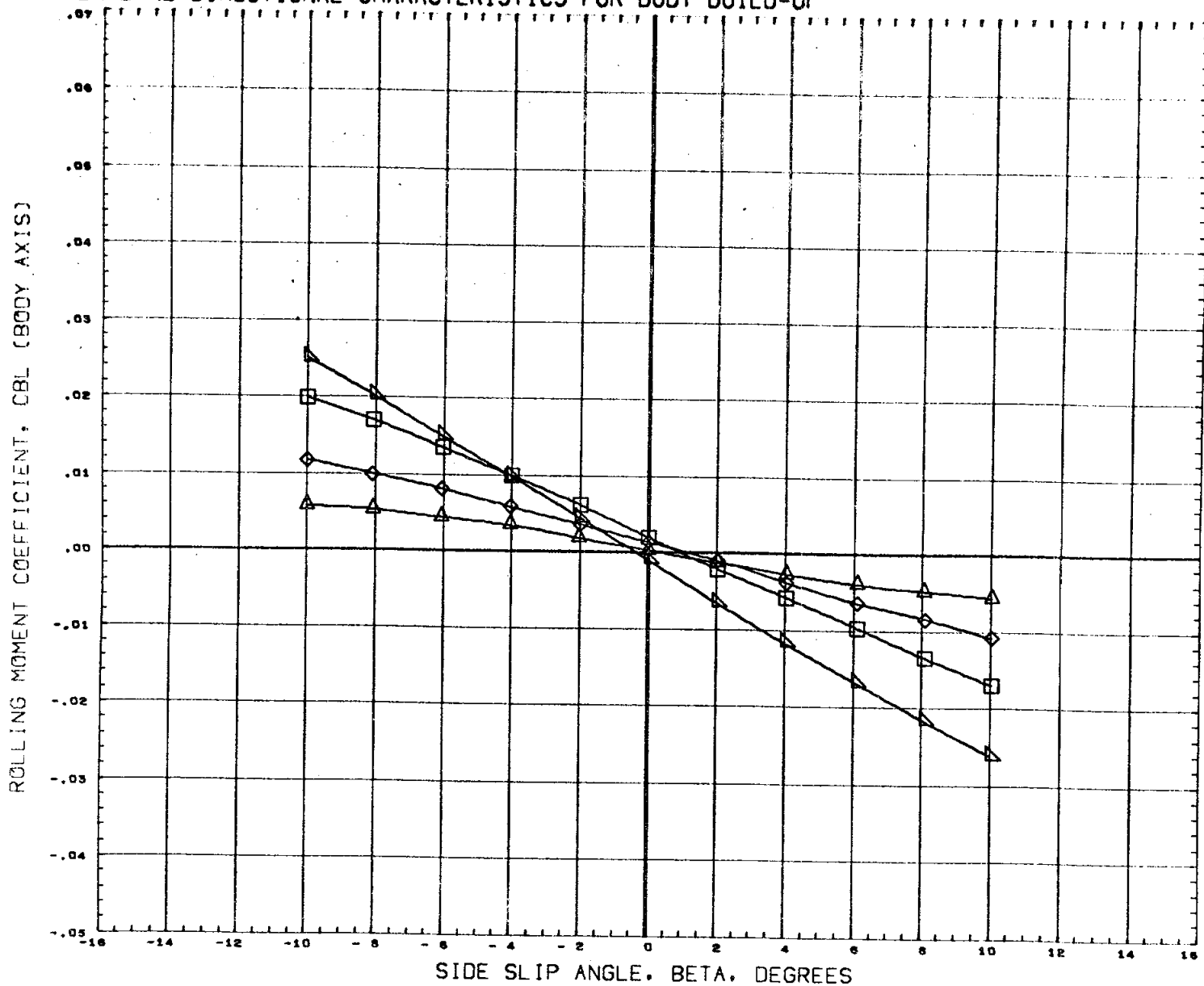
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(A76305)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
(A76306)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
(A76307)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
(A76308)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

ALPHA	ELEVTR	RUDFLR	RUDDER	REFERENCE INFORMATION
0.000	0.000	10.000	0.000	SREF 7.4190 SQ. IN.
10.000	0.000	10.000	0.000	LREF 2.1020 IN.
20.000	0.000	10.000	0.000	BREF 4.0300 IN.
30.000	0.000	10.000	0.000	XMRP 3.4530 IN.
50.000	0.000	10.000	0.000	YMRP 0.0000 IN.
				ZMRP 0.0000 IN.
				SCALE 0.0040 IN.

MACH 2.99

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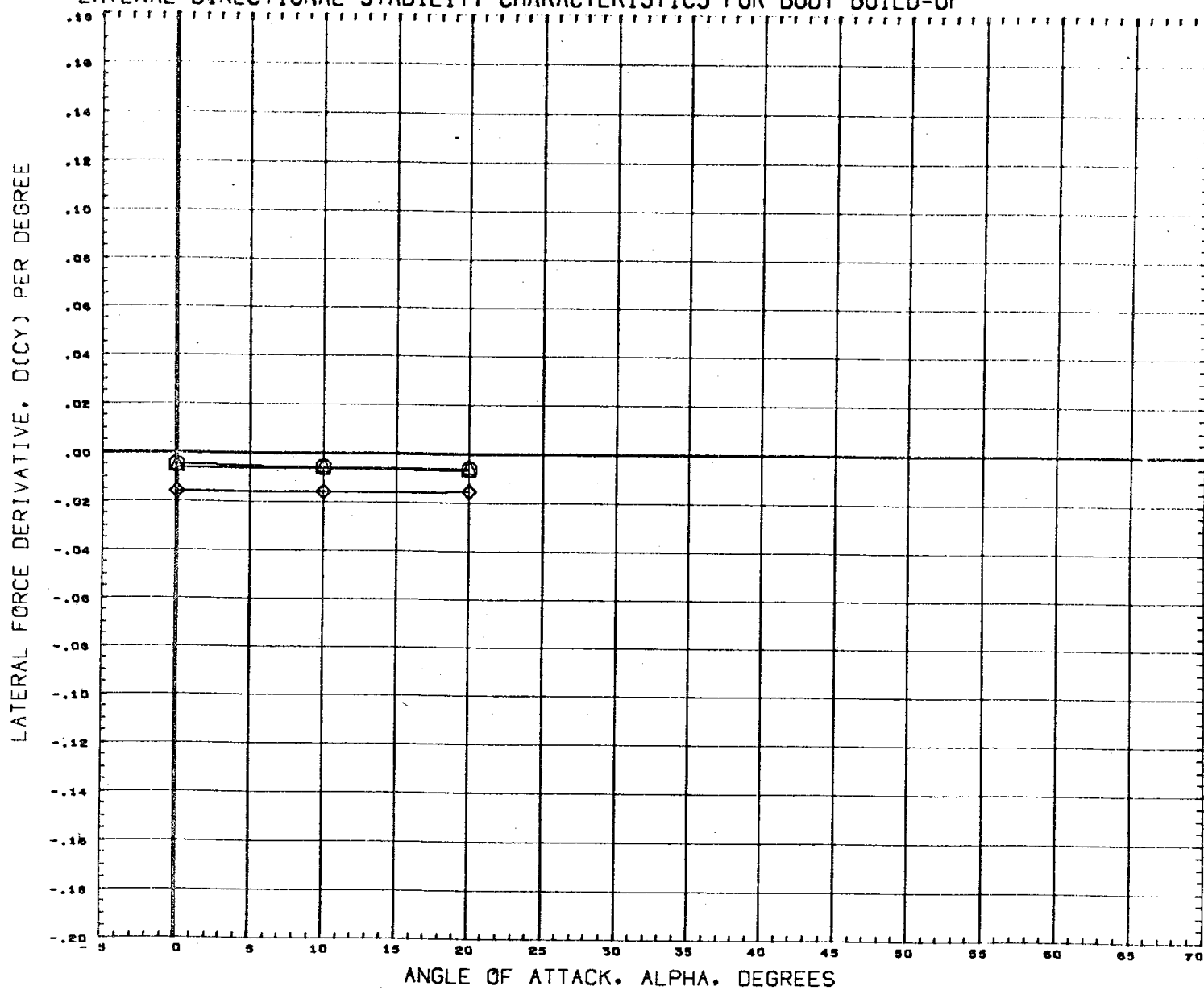
LATERAL-DIRECTIONAL CHARACTERISTICS FOR BODY BUILD-UP



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	RUDFLR	RUDDER	REFERENCE INFORMATION	
(A76304)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(A76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	10.000	0.000	10.000	0.000	LREF	2.1020 IN.
(A76306)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	20.000	0.000	10.000	0.000	BREF	4.0300 IN.
(A76307)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	30.000	0.000	10.000	0.000	XMRP	3.4530 IN.
(A76308)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	30.000	0.000	10.000	0.000	YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 4.96

LATERAL-DIRECTIONAL STABILITY CHARACTERISTICS FOR BODY BUILD-UP



SYMBOL CONFIG
 ○ 1.000
 △ 2.000
 ◇ 3.000

PARAMETRIC VALUES
 MACH 0.600

REFERENCE INFORMATION

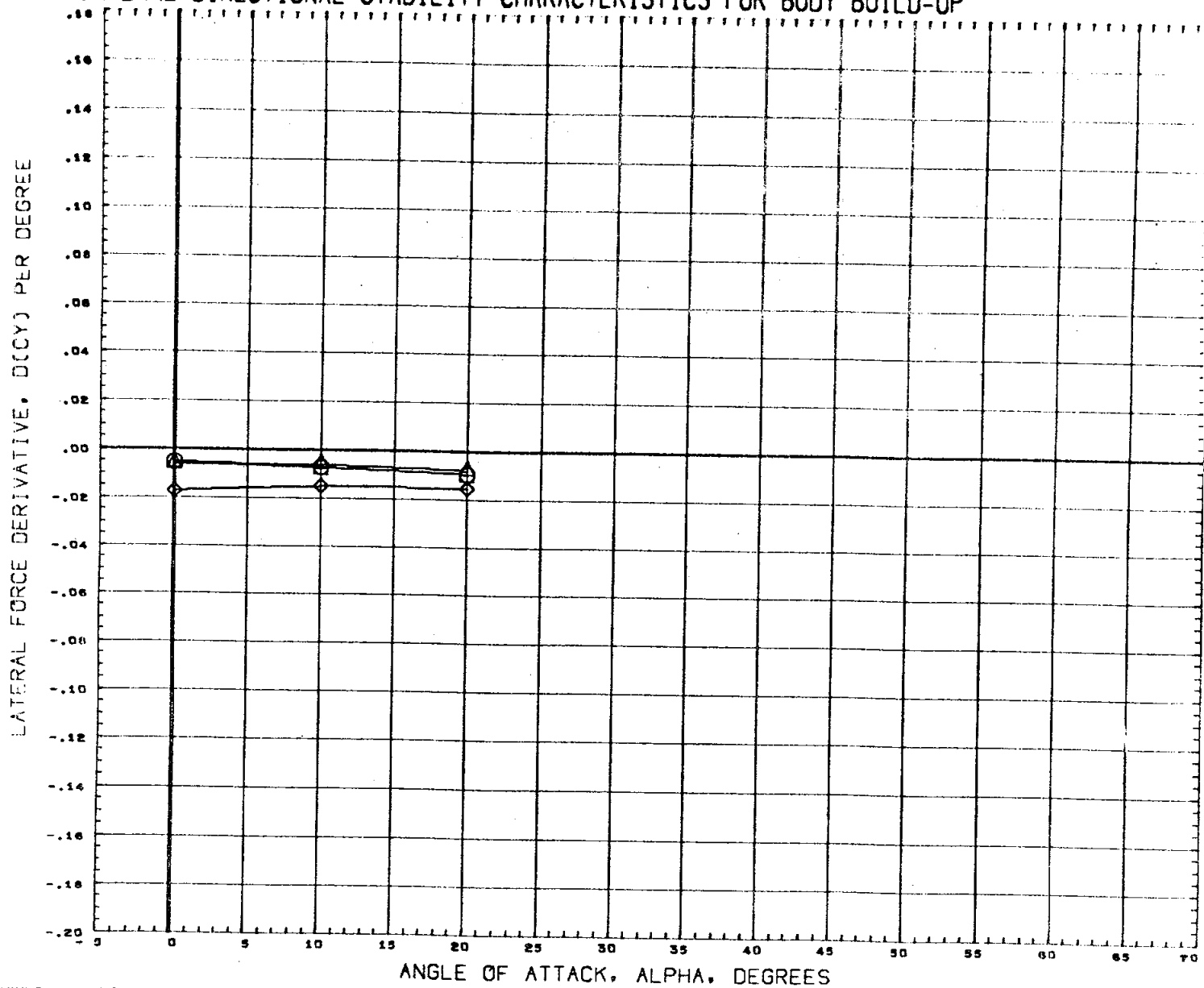
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRF	3.4530	IN.
YMRF	0.0000	IN.
ZMRF	0.0000	IN.
SCALE	0.0040	

DATA HIST. CODE I

M555(FA3) NAR ATP ORB (B1C1D1F1M1)

(Z76104) 04 NOV 72 PAGE 547

LATERAL-DIRECTIONAL STABILITY CHARACTERISTICS FOR BODY BUILD-UP



SYMBOL CONFIG
 ○ 1.000
 ◇ 2.000
 △ 3.000

PARAMETRIC VALUES
 MACH 0.900

REFERENCE INFORMATION

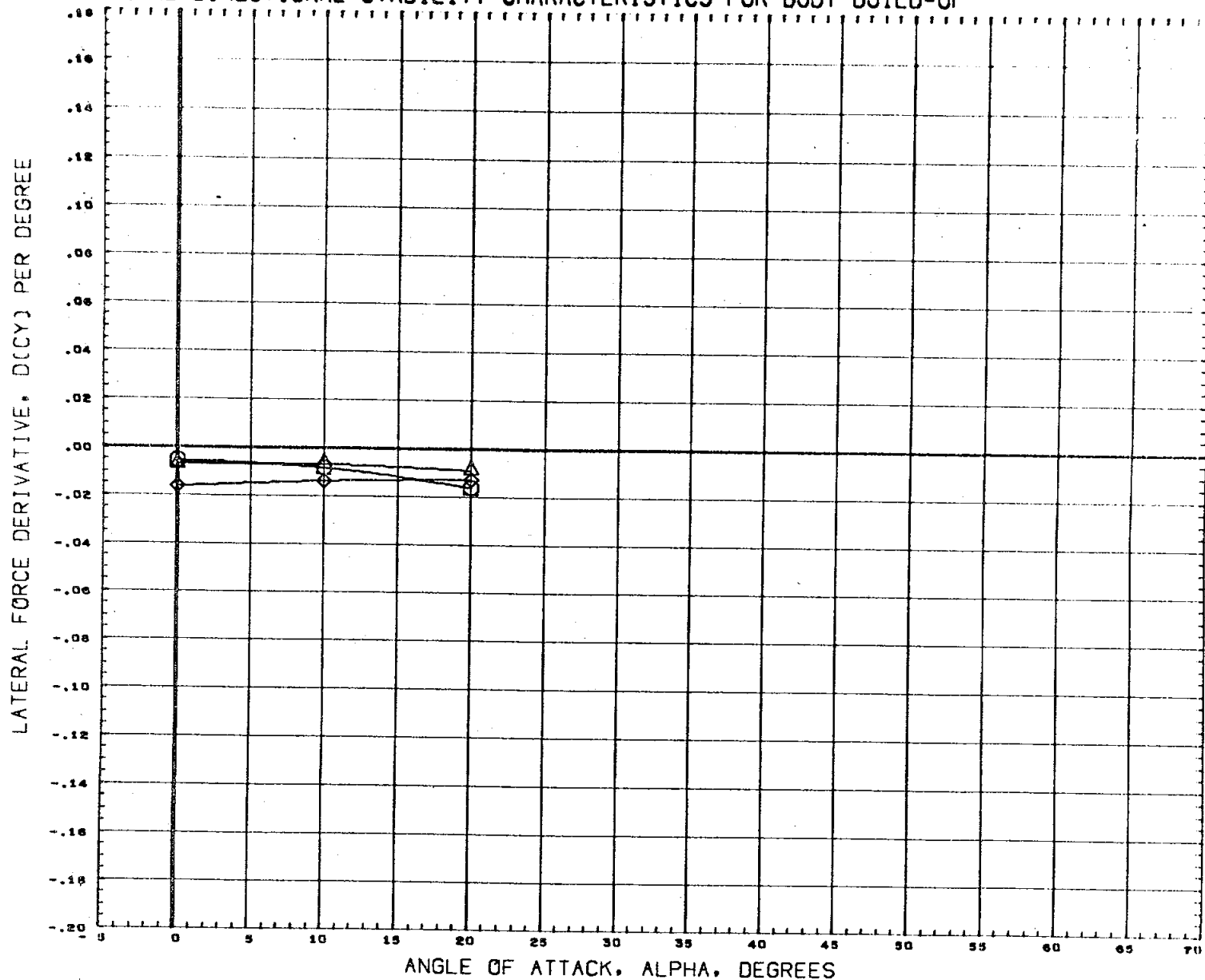
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

DATA HIST. CODE 1

M555(FA3) NAR ATP ORB (B1C1D1F1M1)

(Z76104) 04 NOV 72 PAGE 548

LATERAL-DIRECTIONAL STABILITY CHARACTERISTICS FOR BODY BUILD-UP



SYMBOL CONFIG
 ○ 1.000
 △ 2.000
 ◇ 3.000

PARAMETRIC VALUES
 MACH 1.200

DATA HIST. CODE 1

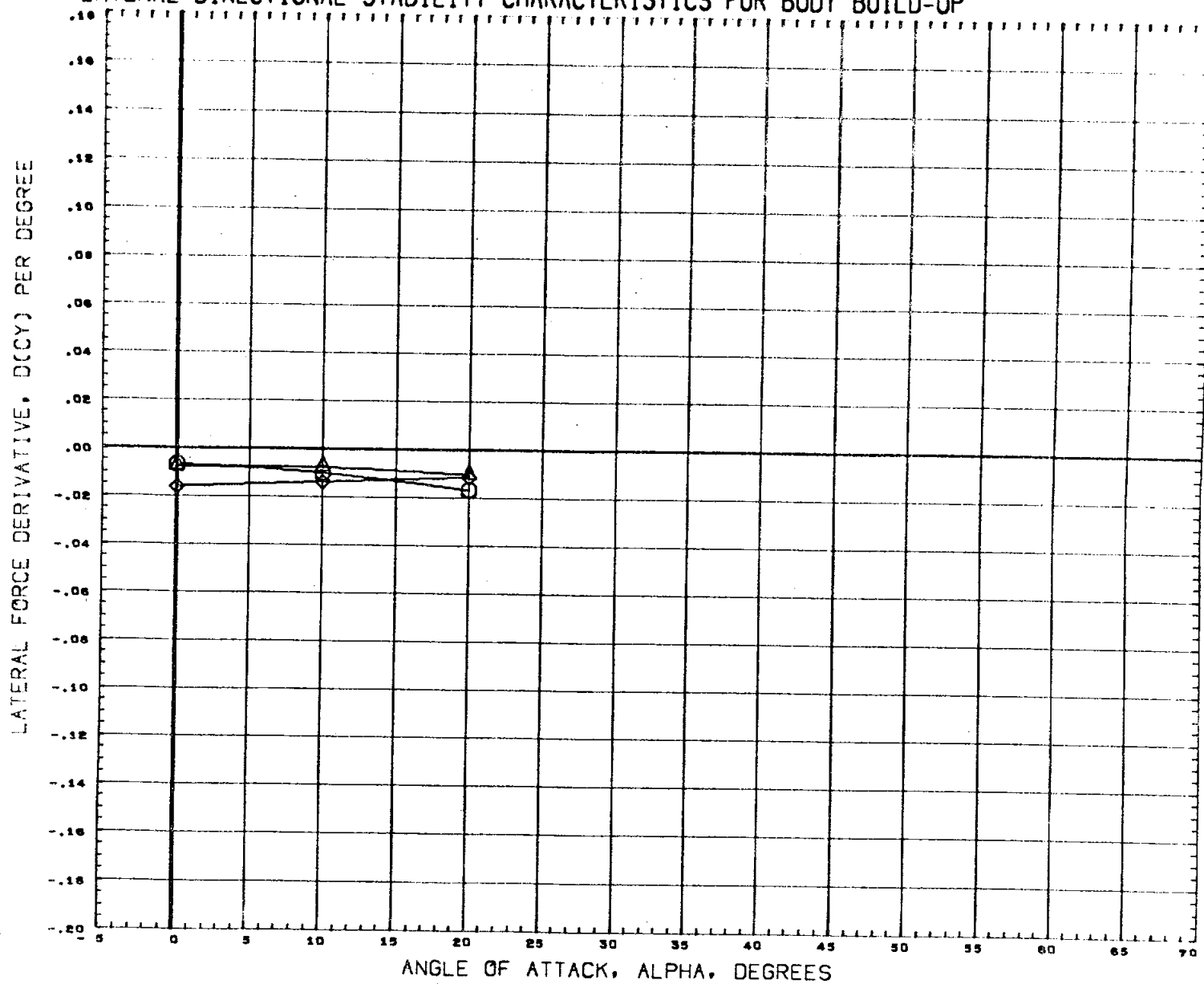
REFERENCE INFORMATION

SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

M555(FA3) NAR ATP ORB (B1C1D1F1M1)

(Z76104) 04 NOV 72 PAGE 549

LATERAL-DIRECTIONAL STABILITY CHARACTERISTICS FOR BODY BUILD-UP



SYMBOL CONFIG PARAMETRIC VALUES
 1.000 MACH 1.960
 2.000
 3.000

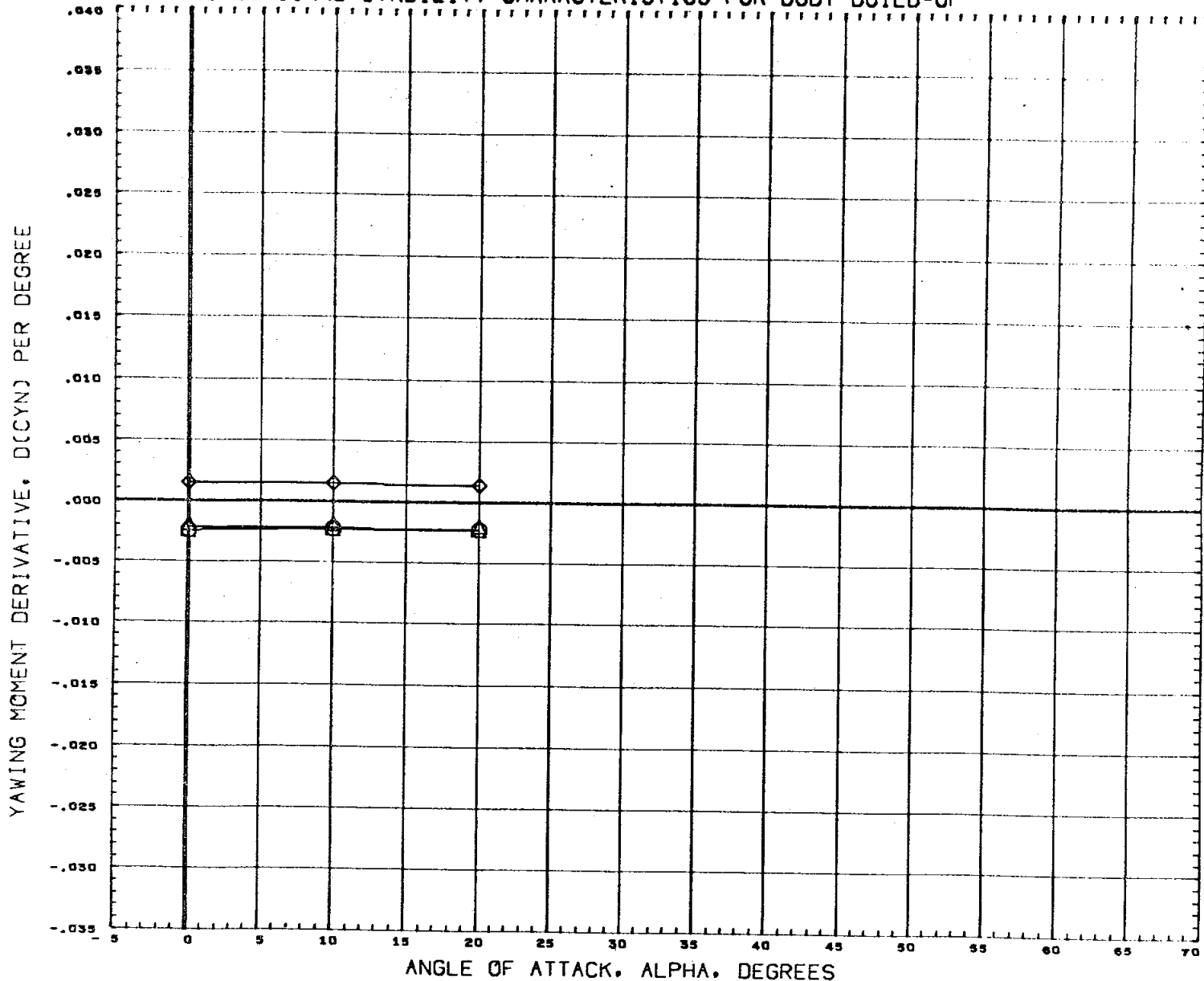
DATA HIST. CODE 1

REFERENCE INFORMATION
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 LREF 2.1020 IN.
 BREF 4.0300 IN.
 XMRP 3.4530 IN.
 YMRP 0.0000 IN.
 ZMRP 0.0000 IN.
 SCALE 0.0040

M555(FA3) NAR ATP ORB (B1C1D1F1M1)

(Z76104) 04 NOV 72 PAGE 550

LATERAL-DIRECTIONAL STABILITY CHARACTERISTICS FOR BODY BUILD-UP



SYMBOL CONFIG
 \square 1.000
 \triangle 2.000
 \diamond 3.000

PARAMETRIC VALUES
MACH 0.600

DATA HIST. CODE I

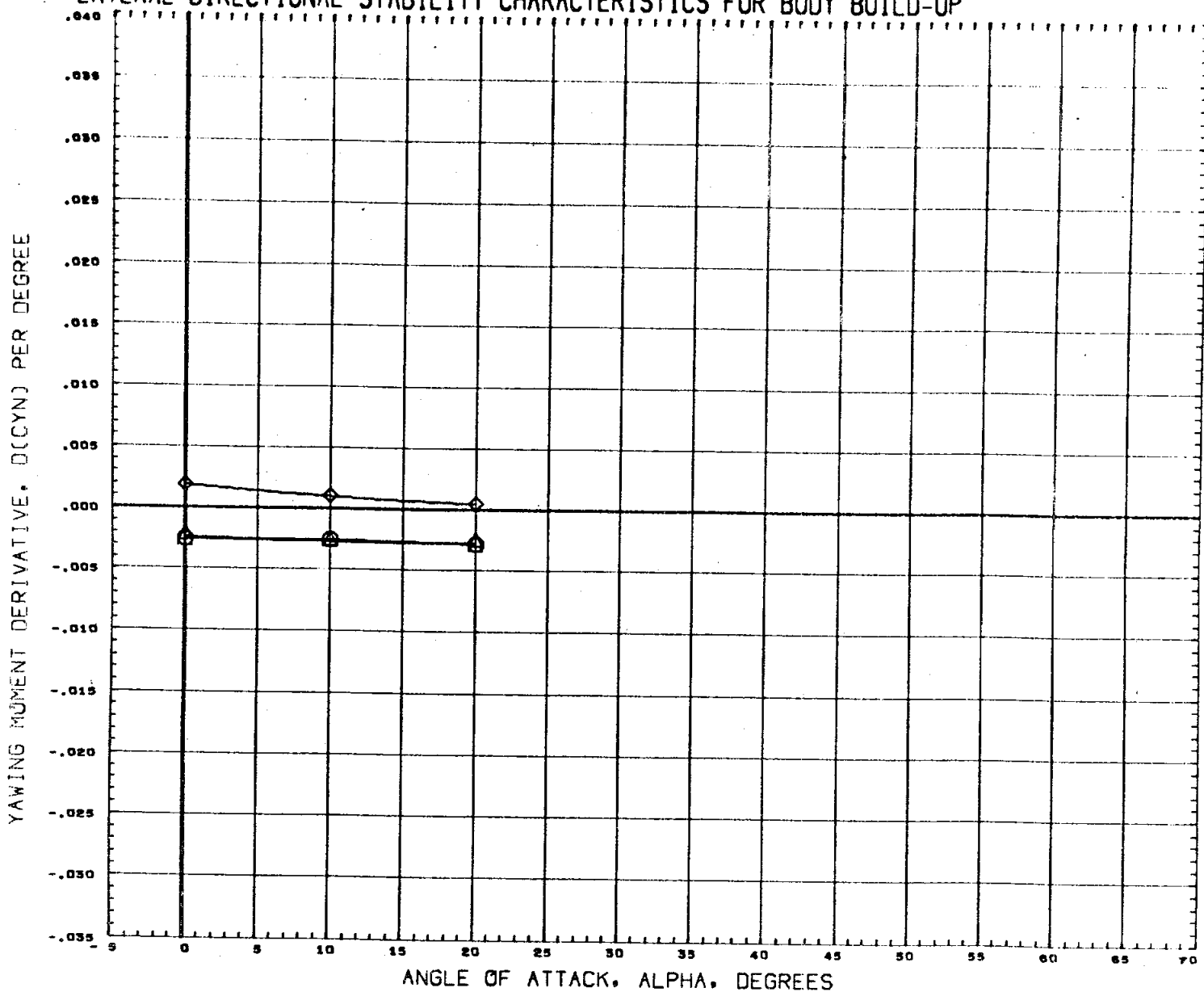
REFERENCE INFORMATION

SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	IN.

M555(FA3) NAR ATP ORB (B1C1D1F1M1)

(Z76104) 04 NOV 72 PAGE 551

LATERAL-DIRECTIONAL STABILITY CHARACTERISTICS FOR BODY BUILD-UP



SYMBOL CONFIG
 ◇ 1.000
 □ 2.000
 □ 3.000

PARAMETRIC VALUES
 MACH 0.900

DATA HIST. CODE I

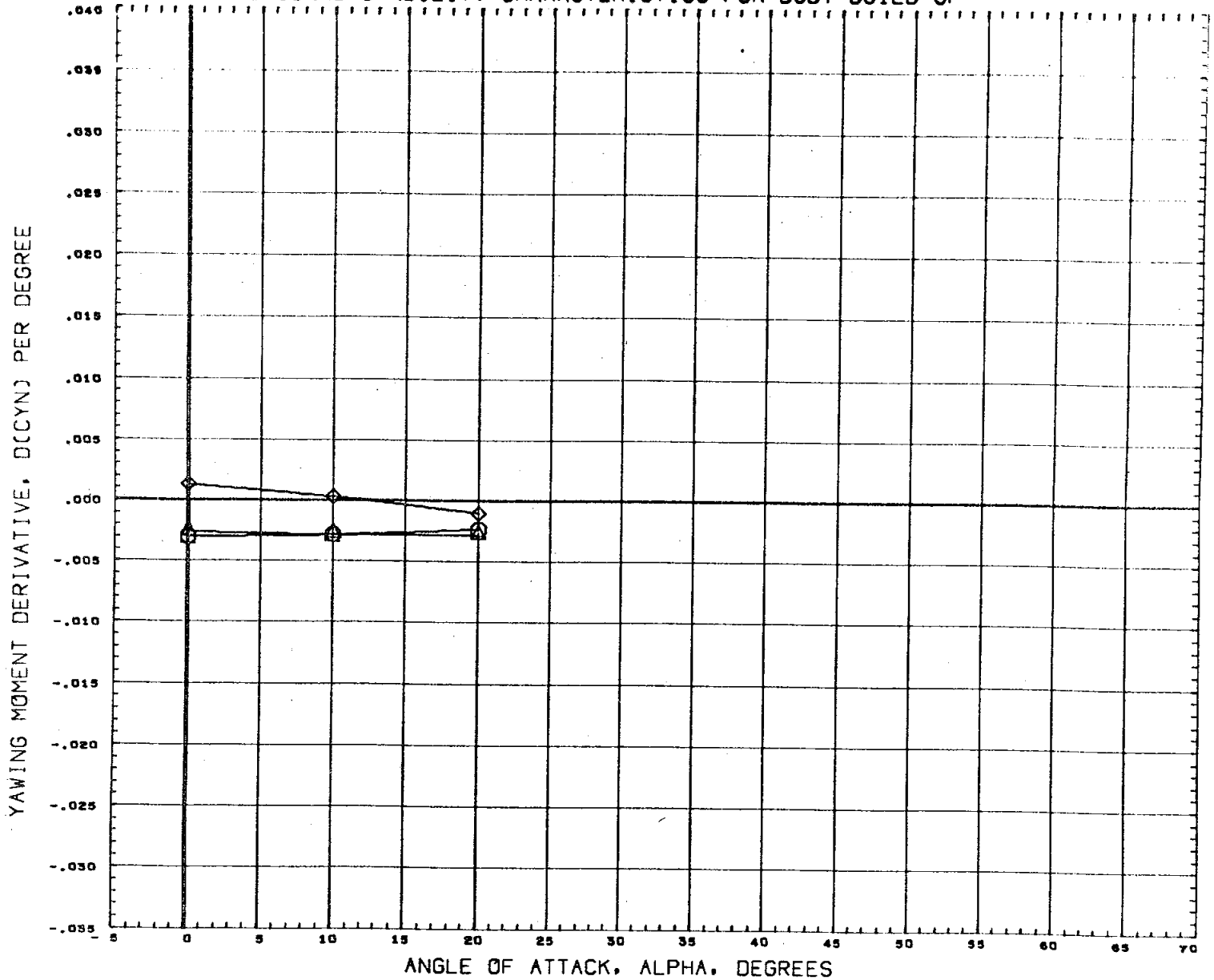
REFERENCE INFORMATION

SREF	7.4190	50. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

M555(FA3) NAR ATP ORB (B1C1D1F1M1)

(Z76104) 04 NOV 72 PAGE 552

LATERAL-DIRECTIONAL STABILITY CHARACTERISTICS FOR BODY BUILD-UP



SYMBOL CONFIG
 ◇ 1.000
 □ 2.000
 △ 3.000

PARAMETRIC VALUES
 MACH 1.200

REFERENCE INFORMATION

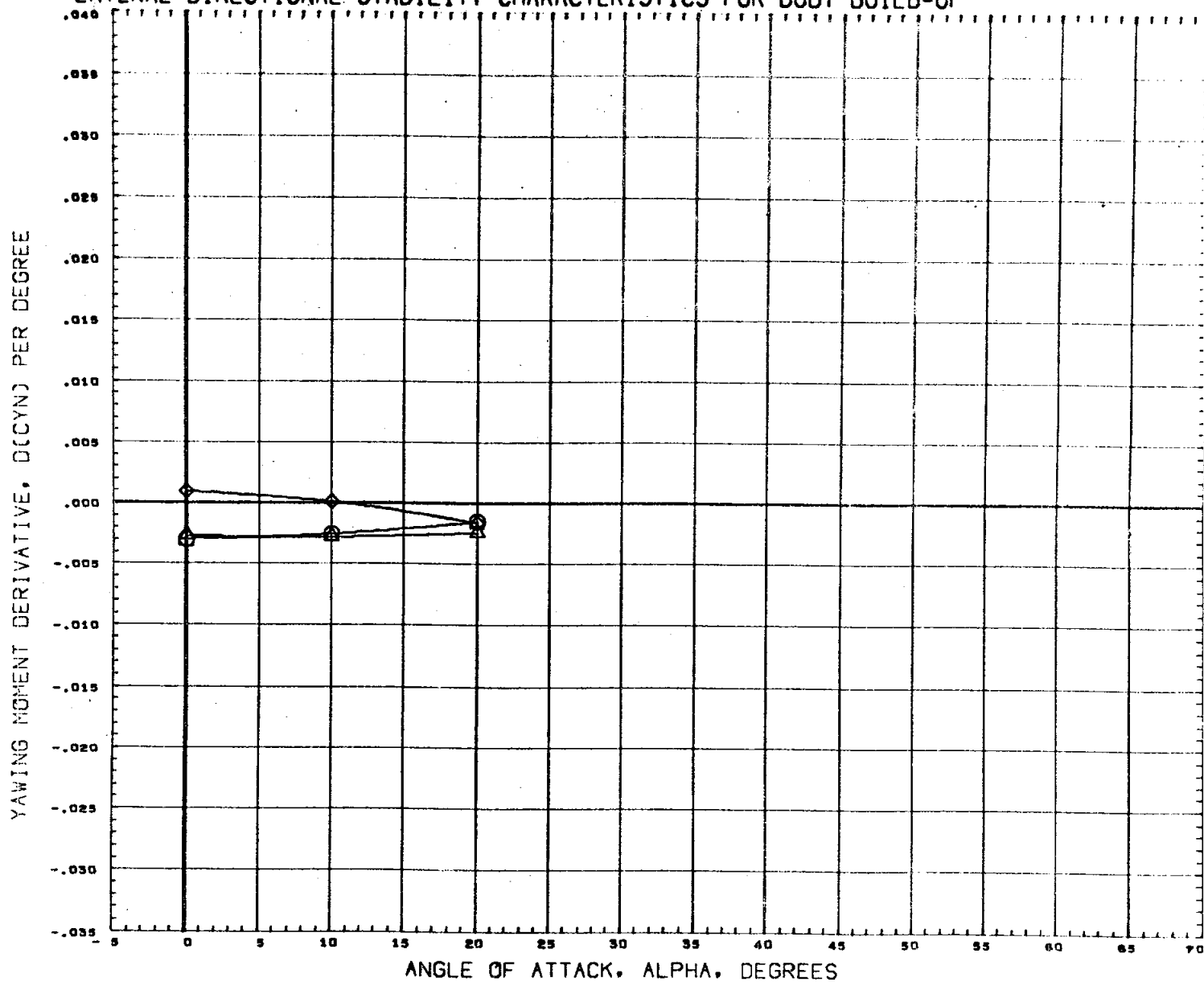
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

DATA HIST. CODE 1

M555(FA3) NAR ATP ORB (B1C1D1F1M1)

(Z76104) 04 NOV 72 PAGE 553

LATERAL-DIRECTIONAL STABILITY CHARACTERISTICS FOR BODY BUILD-UP



SYMBOL CONFIG
 □ 1.000
 ◇ 2.000
 △ 3.000

PARAMETRIC VALUES
 MACH 1.960

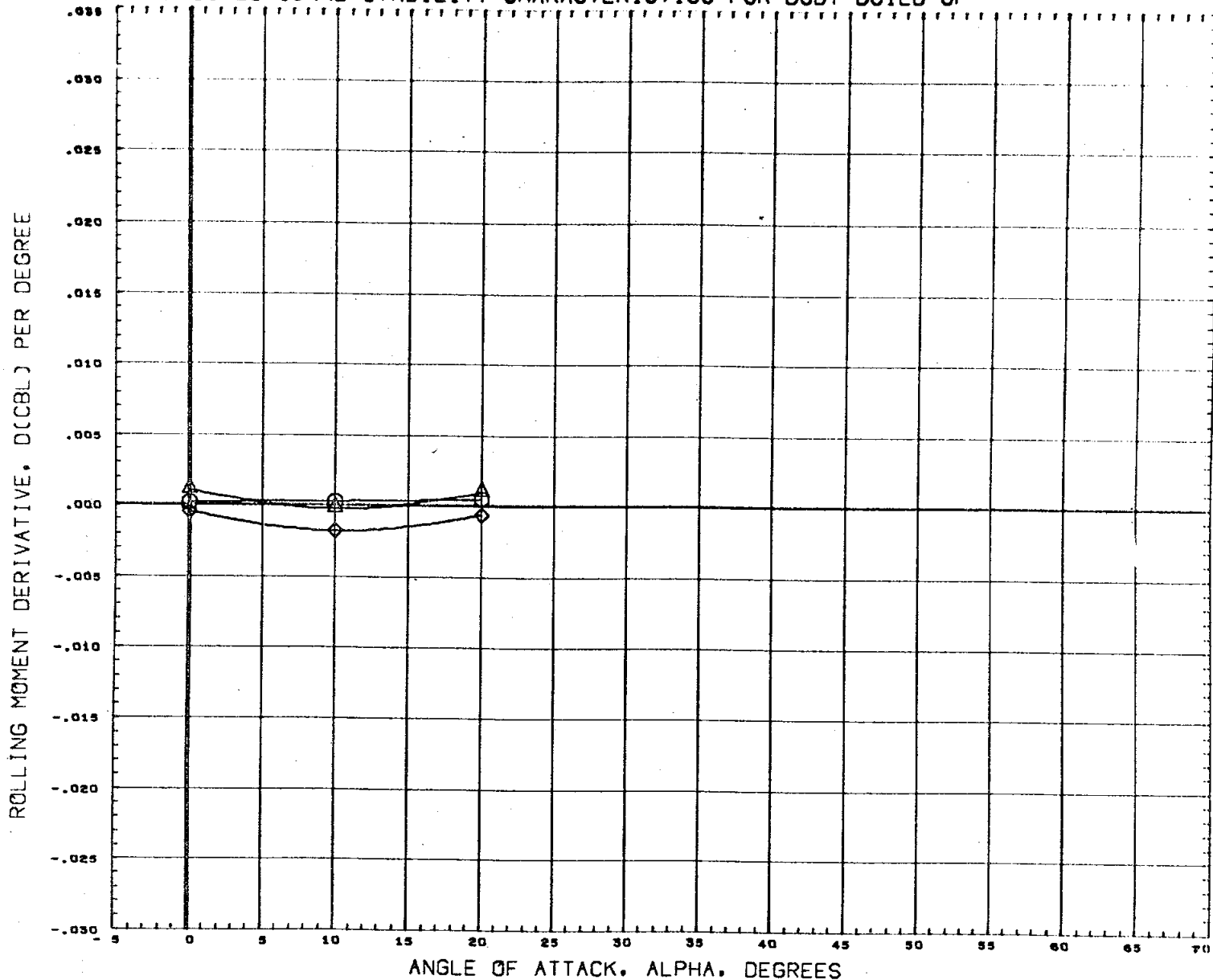
DATA HIST. CODE I

REFERENCE INFORMATION
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 LREF 2.1020 IN.
 BREF 4.0300 IN.
 XMRP 3.4530 IN.
 YMRP 0.0000 IN.
 ZMRP 0.0000 IN.
 SCALE 0.0040

M555(FA3) NAR ATP ORB (B1C1D1F1M1)

(Z76104) 04 NOV 72 PAGE 554

LATERAL-DIRECTIONAL STABILITY CHARACTERISTICS FOR BODY BUILD-UP



SYMBOL	CONFIG	PARAMETRIC VALUES
\diamond	1.000	MACH 0.600
\triangle	2.000	
\square	3.000	

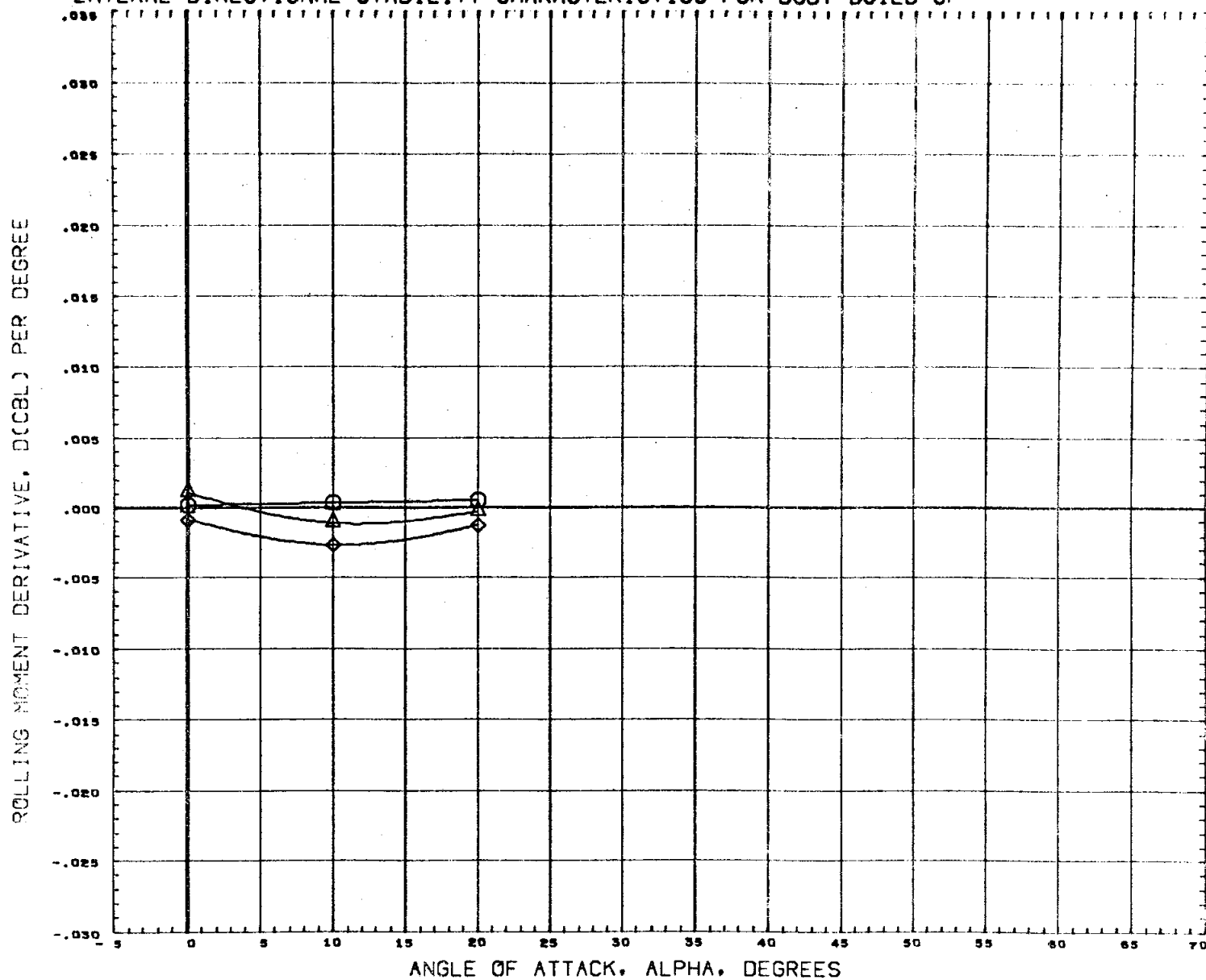
REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

DATA HIST. CODE I

M555(FA3) NAR ATP ORB (B1C1D1F1M1)

(Z76104) 04 NOV 72 PAGE 555

LATERAL-DIRECTIONAL STABILITY CHARACTERISTICS FOR BODY BUILD-UP



SYMBOL	CONFIG	PARAMETRIC VALUES
○	1.000	MACH 0.900
△	2.000	
◇	3.000	

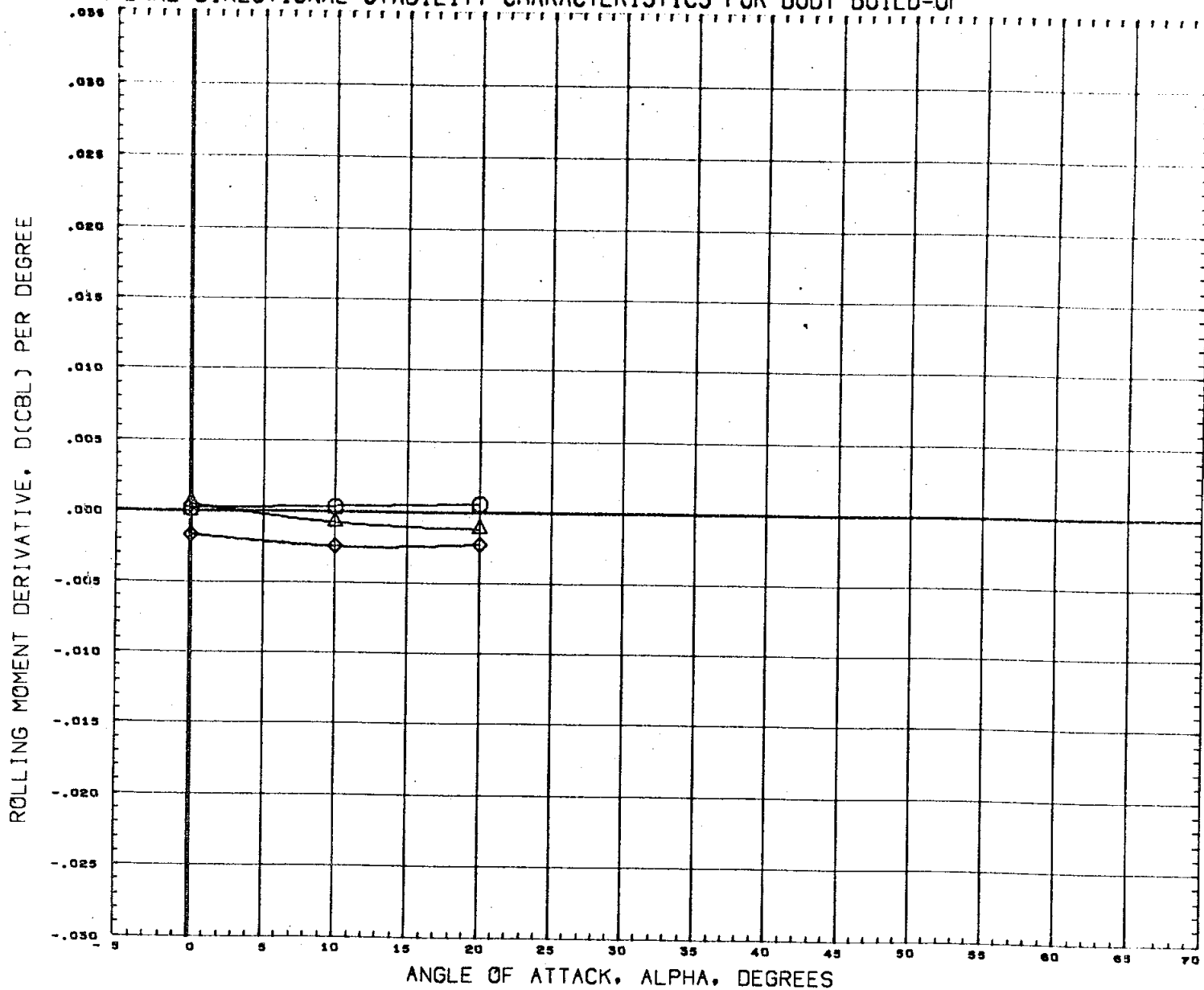
REFERENCE INFORMATION		
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LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

DATA HIST. CODE 1

M555(FA3) NAR ATP ORB (B1C1D1F1M1)

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LATERAL-DIRECTIONAL STABILITY CHARACTERISTICS FOR BODY BUILD-UP



SYMBOL	CONFIG	PARAMETRIC VALUES
○	1.000	MACH 1.200
△	2.000	
◇	3.000	

REFERENCE INFORMATION		
SREF	7.4190	50. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

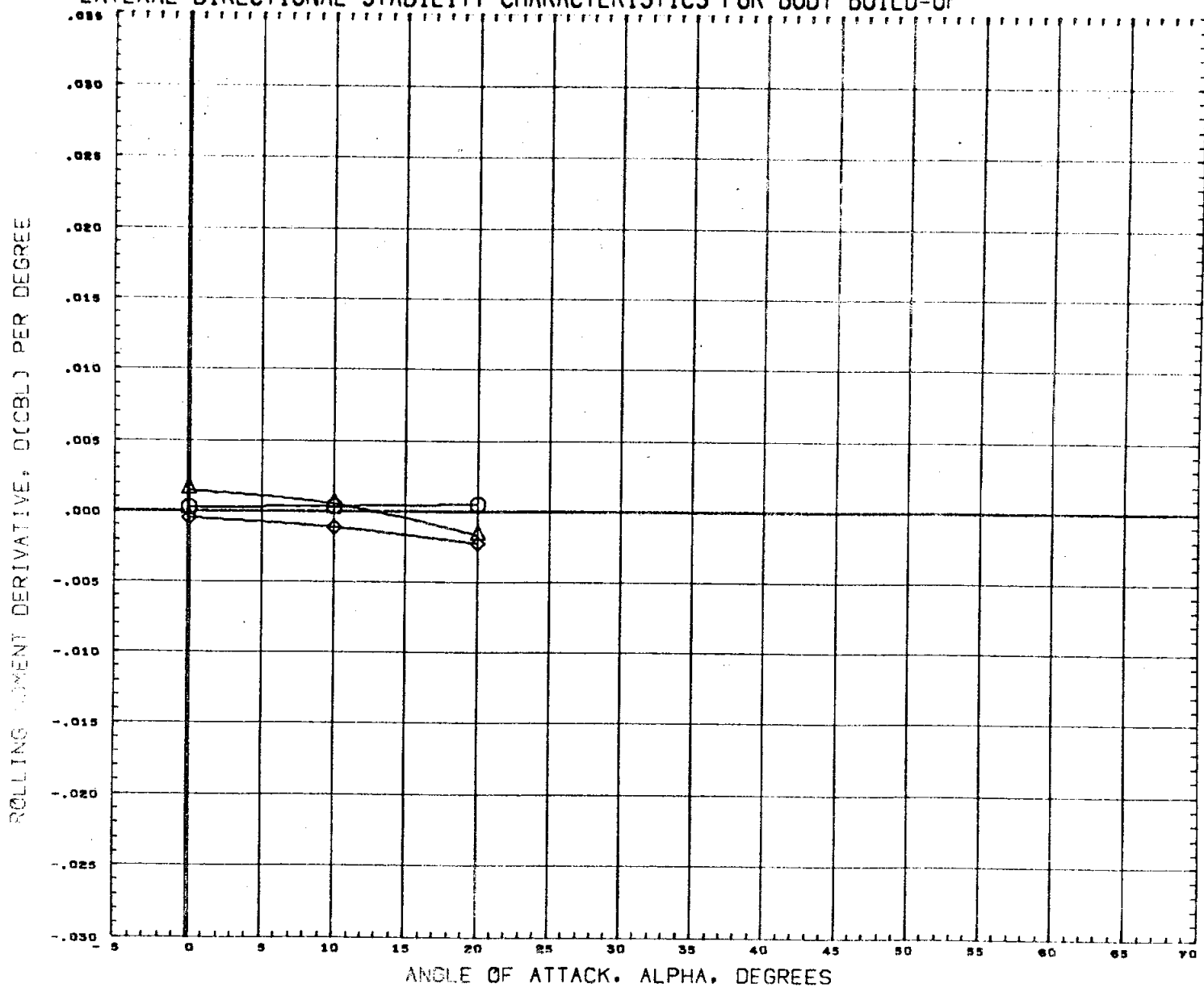
DATA HIST. CODE I

M555(FA3) NAR ATP ORB (B1C1D1F1M1)

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LATERAL-DIRECTIONAL STABILITY CHARACTERISTICS FOR BODY BUILD-UP



SYMBOL CONFIG PARAMETRIC VALUES
 1.000 MACH 1.960
 2.000
 3.000

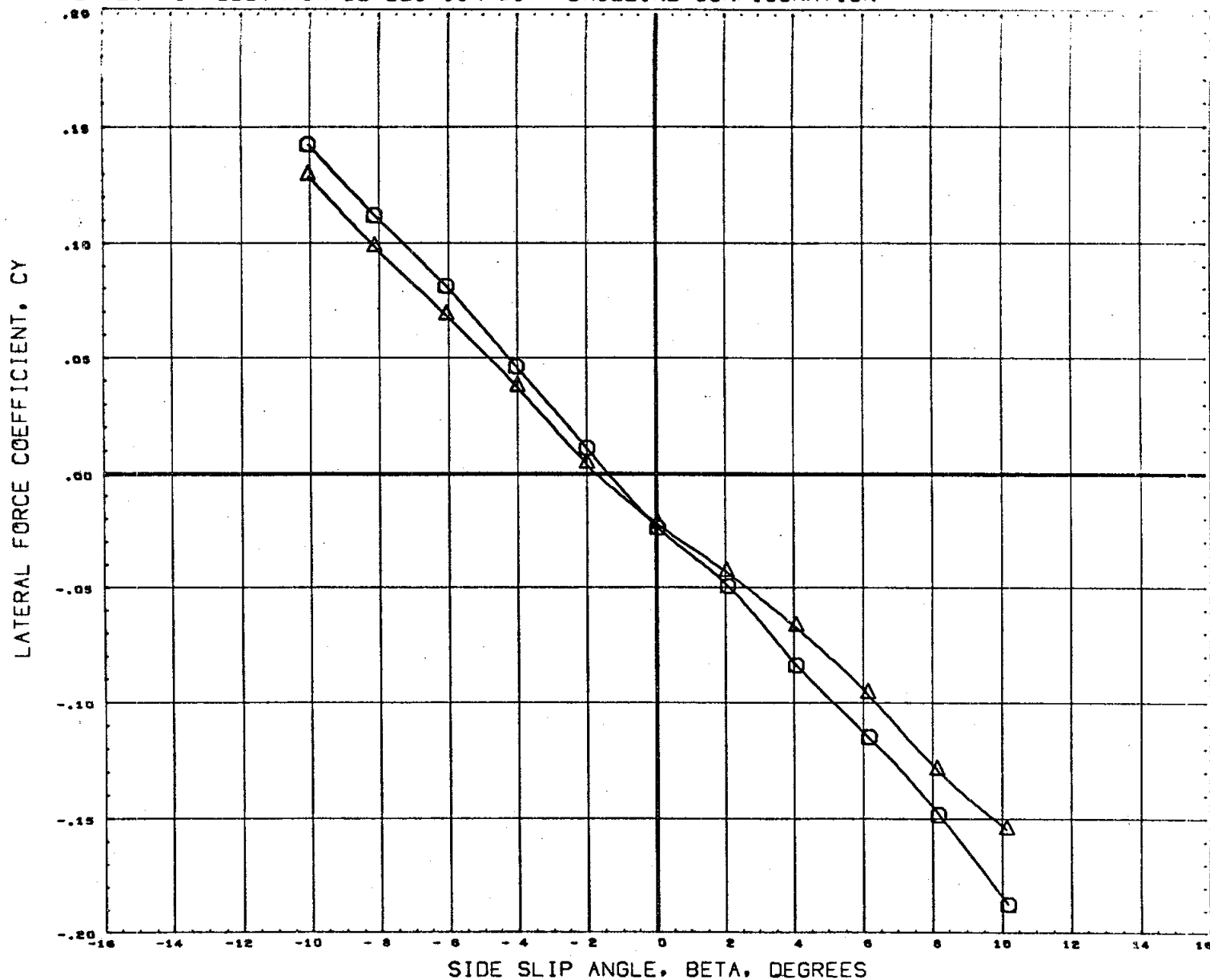
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 LREF 2.1020 IN.
 BREF 4.0300 IN.
 XHRP 3.4330 IN.
 YHRP 0.0000 IN.
 ZHRP 0.0000 IN.
 SCALE 0.0040

DATA HIST. CODE I

ISS5(FA3) NAR ATP ORB (B1C1D1F1M1)

(Z76104) 04 NOV 72 PAGE 558

EFFECT OF ELEVATOR DEFLECTION WITH BASELINE CONFIGURATION



DATA SET SYMBOL CONFIGURATION DESCRIPTION

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	RUDFLR
(A76306)	M555(FA3) NAR ATP ORB (81C1D1F1M1) (W1E1) (V1K1R1)	20.000	0.000	10.000
(A76313)	M555(FA3) NAR ATP ORB (81C1D1F1M1) (W1E1) (V1K1R1)	20.000	-20.000	10.000

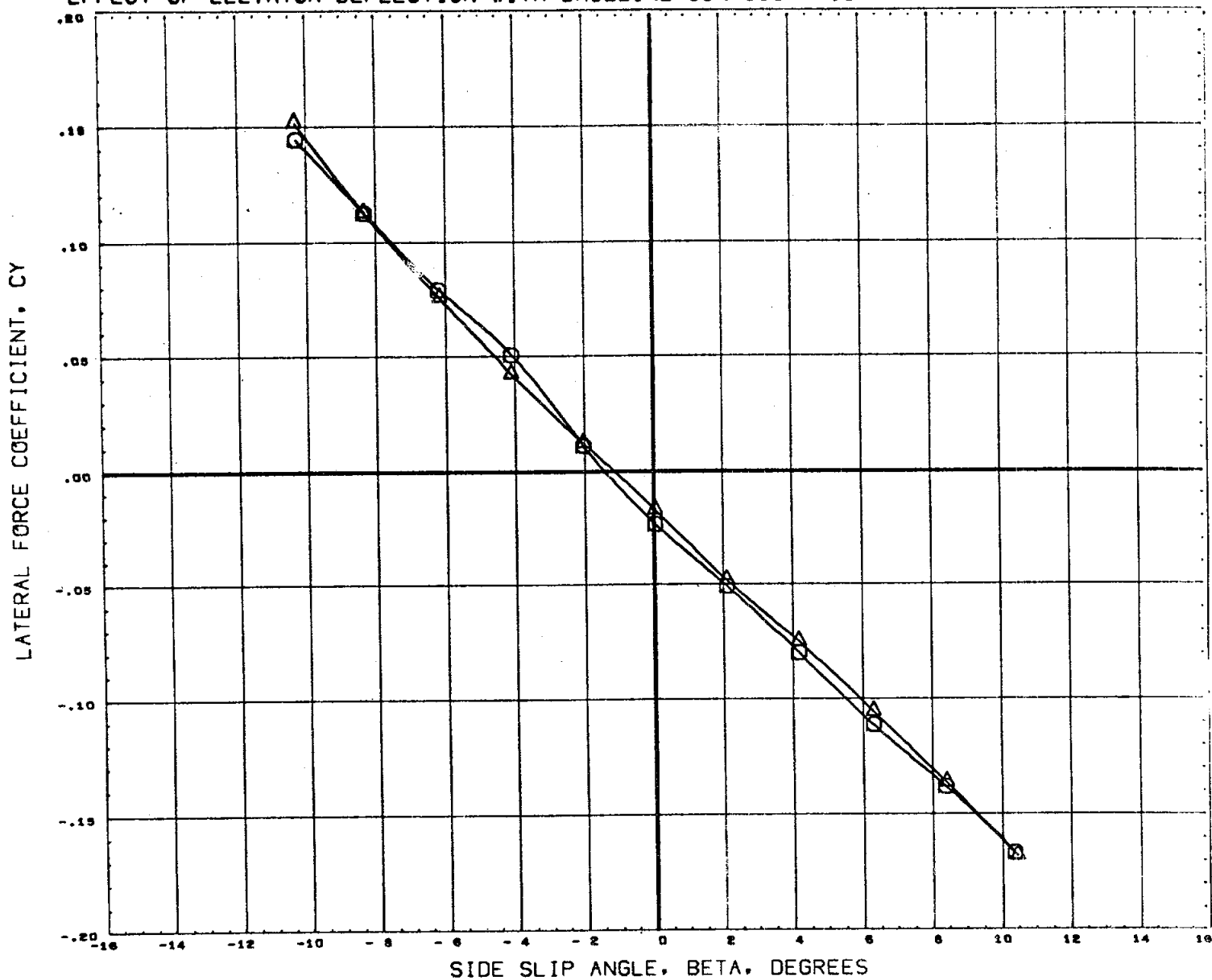
REFERENCE INFORMATION

SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH .60

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EFFECT OF ELEVATOR DEFLECTION WITH BASELINE CONFIGURATION



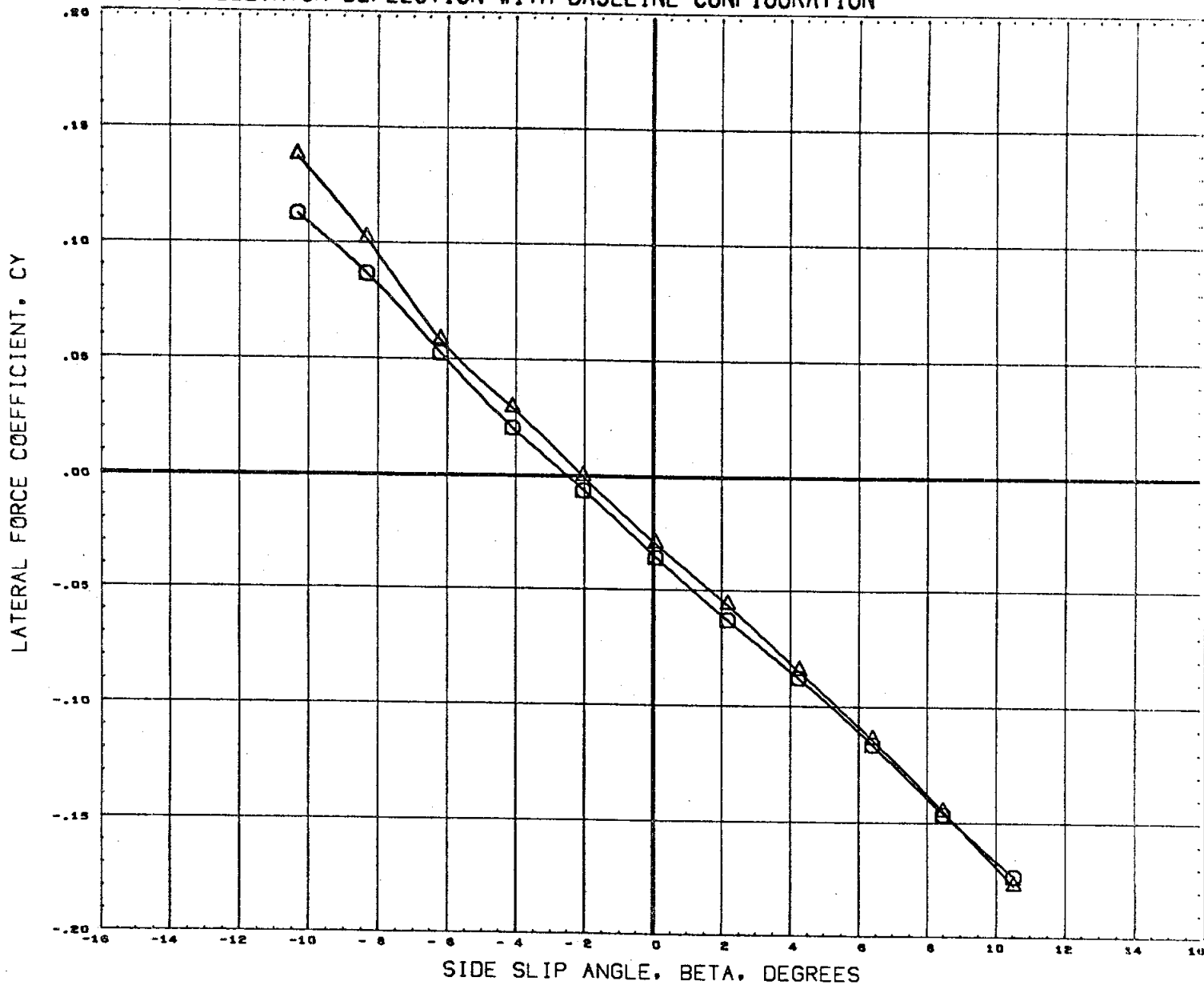
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	RUDFLR
(A76306)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	20.000	0.000	10.000
(A76313)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	20.000	-20.000	10.000

REFERENCE INFORMATION	
SREF	7.4190 SQ. IN.
LREF	2.1020 IN.
BREF	4.0300 IN.
XMRP	3.4530 IN.
YMRP	0.0000 IN.
ZMRP	0.0000 IN.
SCALE	0.0040

MACH .90

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EFFECT OF ELEVATOR DEFLECTION WITH BASELINE CONFIGURATION



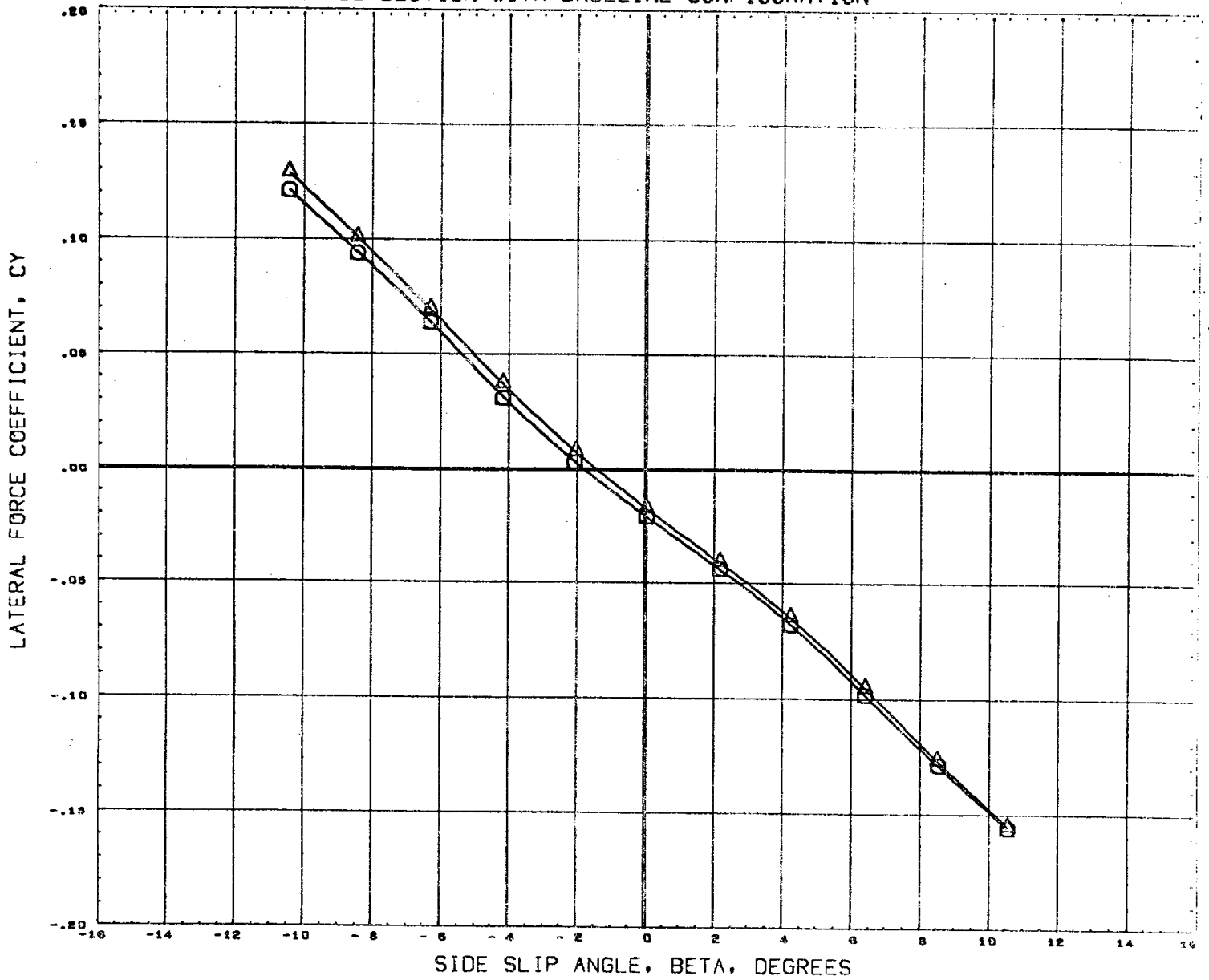
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	RUDFLR
(A76306)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	20.000	0.000	10.000
(A76313)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	20.000	-20.000	10.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 1.20

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EFFECT OF ELEVATOR DEFLECTION WITH BASELINE CONFIGURATION



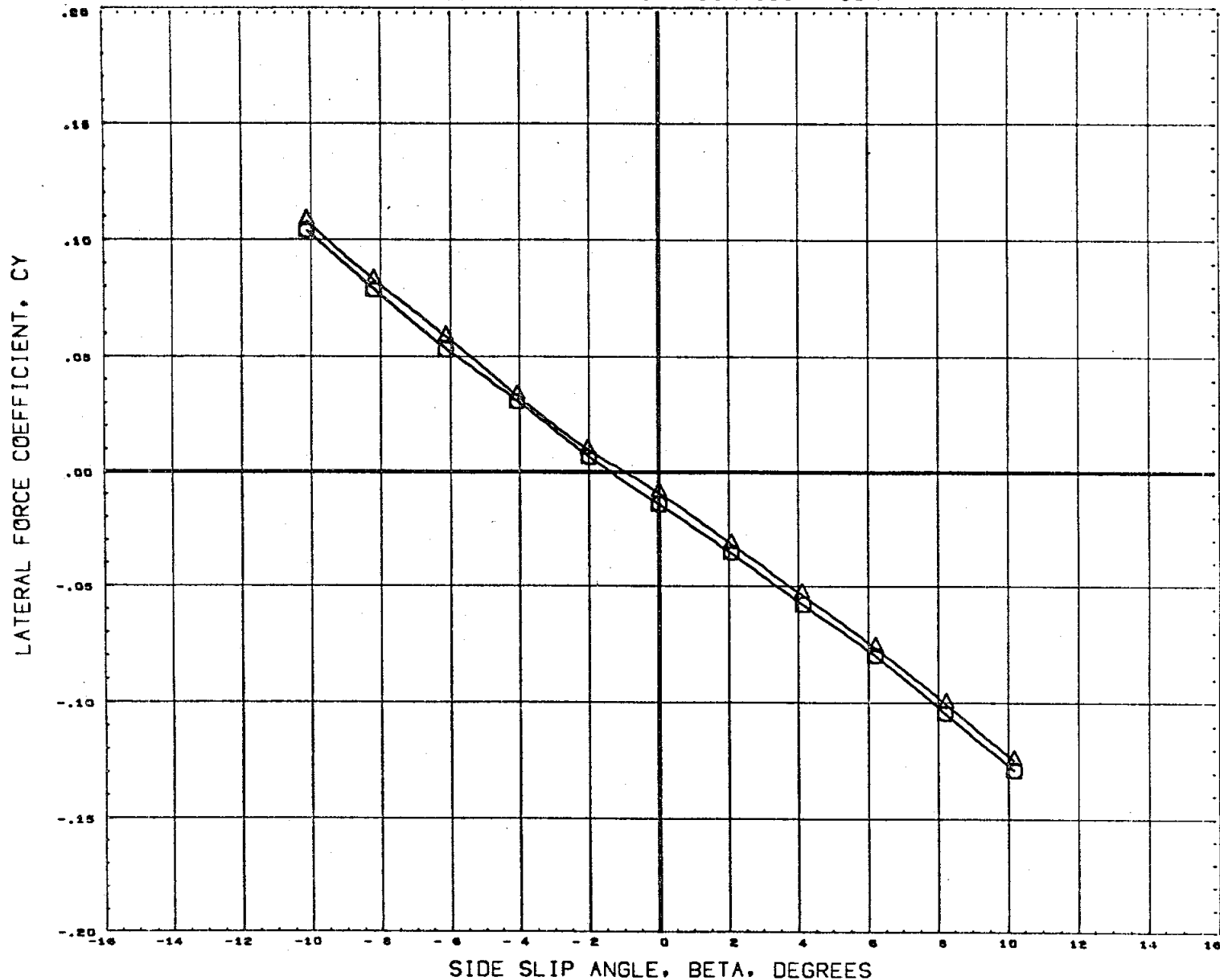
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	RUDFLR
(A76306)	M555 (FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	20.000	0.000	10.000
(A76313)	M555 (FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	20.000	-20.000	10.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 1.96

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EFFECT OF ELEVATOR DEFLECTION WITH BASELINE CONFIGURATION



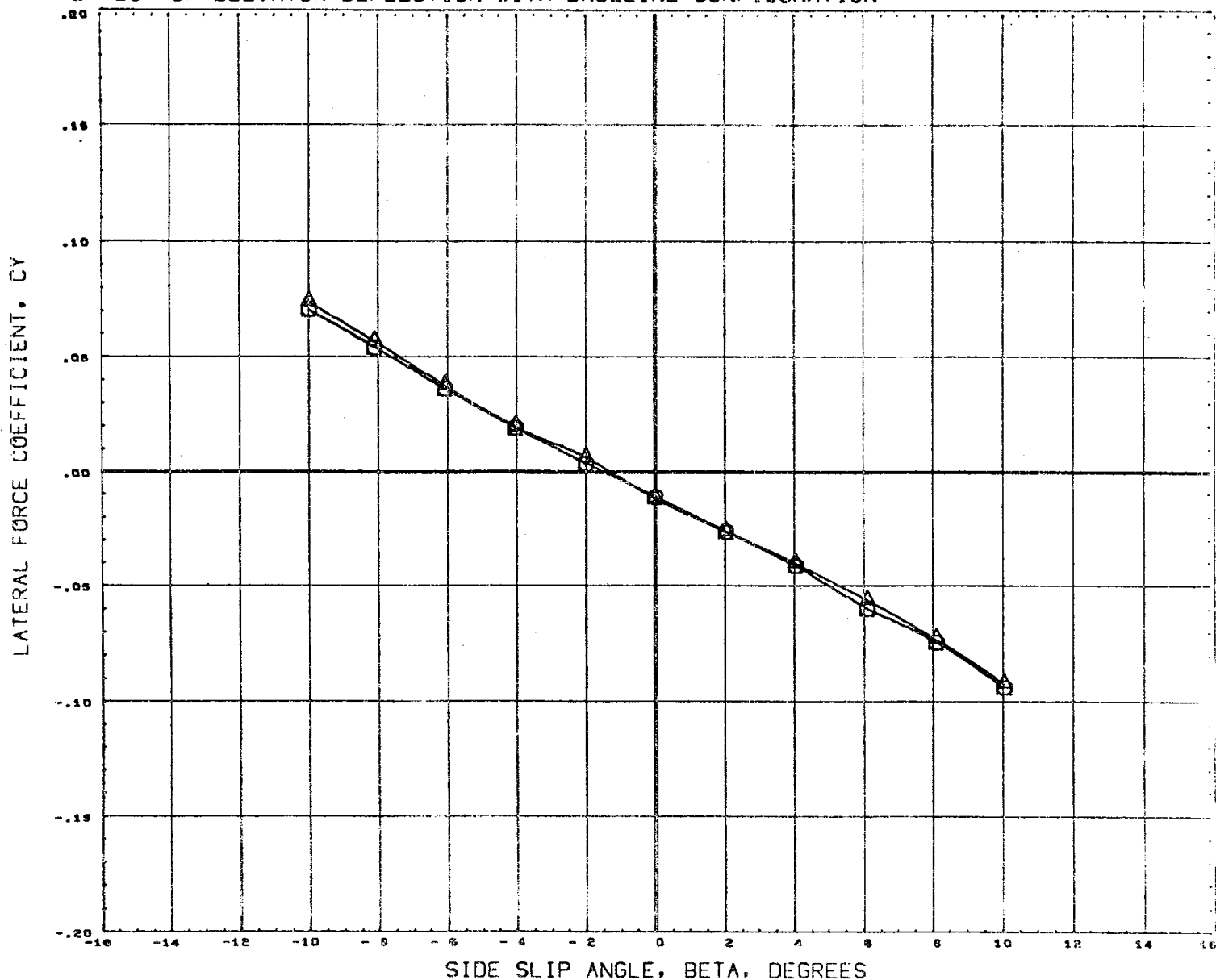
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	RUDFLR
(A76306)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	20.000	0.000	10.000
(A76313)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	20.000	-20.000	10.000

REFERENCE INFORMATION		
SREF	7.4190	50. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 2.99

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EFFECT OF ELEVATOR DEFLECTION WITH BASELINE CONFIGURATION



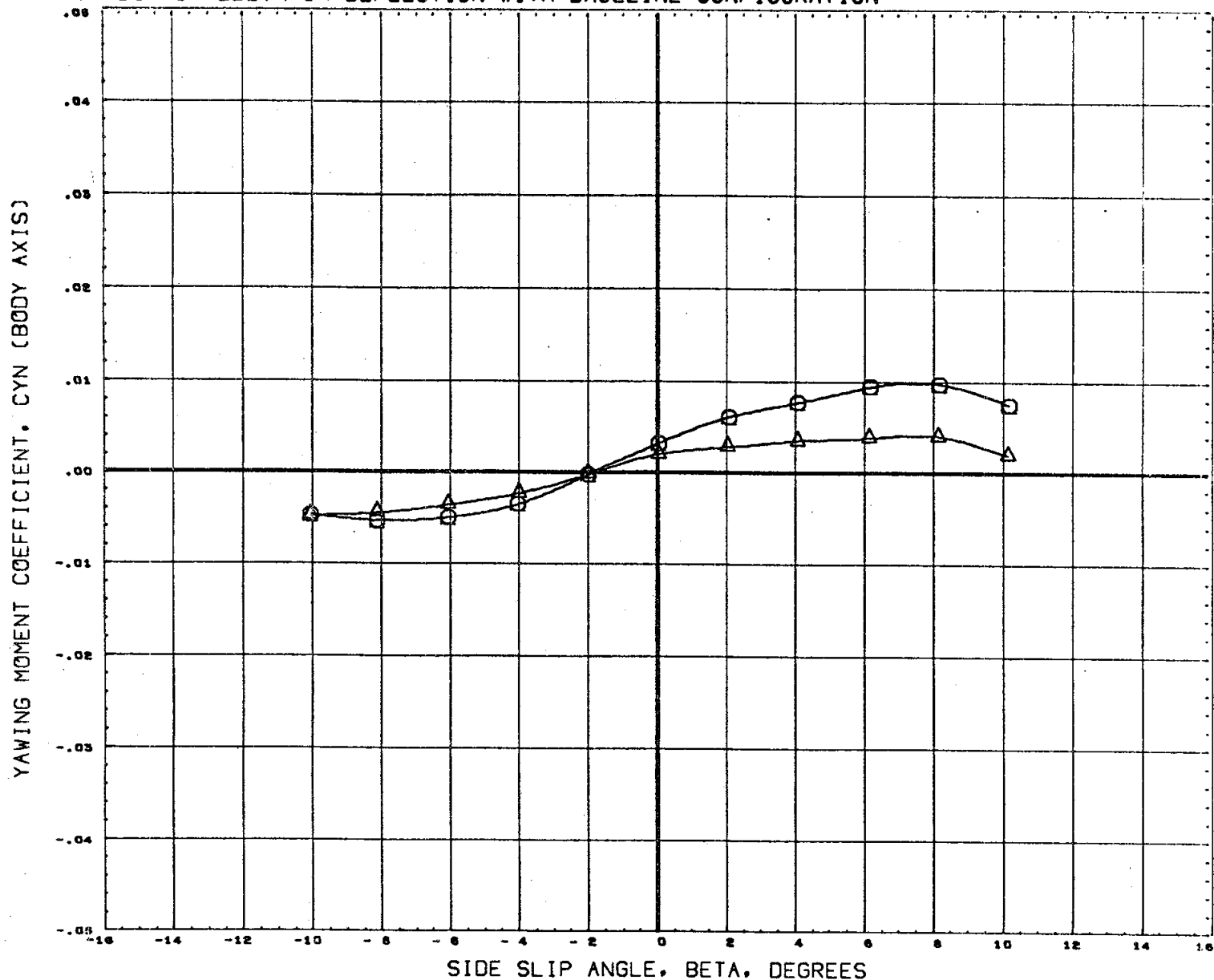
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	RUDFLR
(A76306)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	20.000	0.000	10.000
(A76313)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	20.000	-20.000	10.000

REFERENCE INFORMATION		
SREF	7.4190	50. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 4.96

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EFFECT OF ELEVATOR DEFLECTION WITH BASELINE CONFIGURATION



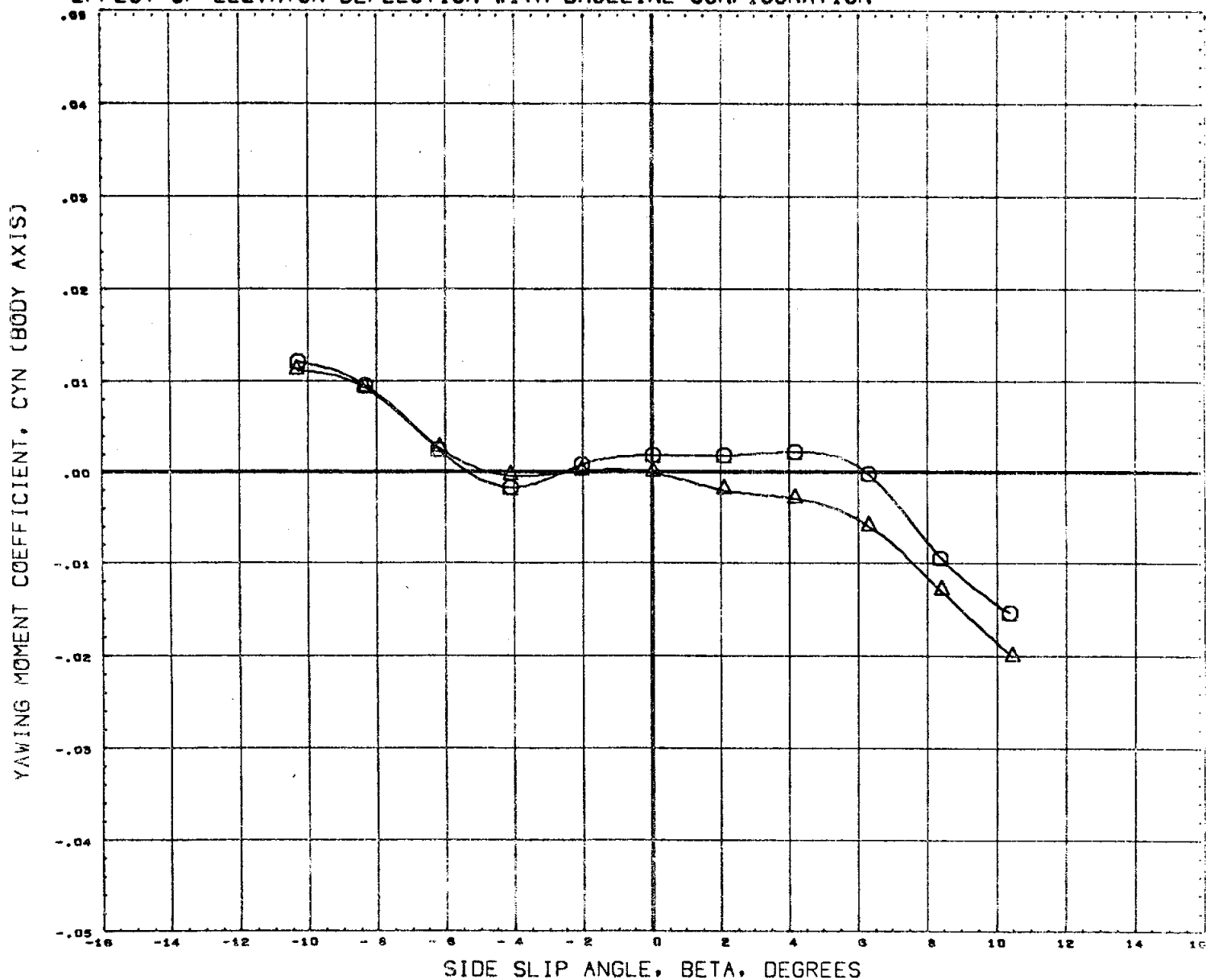
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	RUDFLR
(A76306)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	20.000	0.000	10.000
(A76313)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	20.000	-20.000	10.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH .60

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EFFECT OF ELEVATOR DEFLECTION WITH BASELINE CONFIGURATION



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	RUDFLR
(A76300)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	20.000	0.000	10.000
(A76313)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	20.000	-20.000	10.000

REFERENCE INFORMATION	
SREF	7.4190 SQ. IN.
LREF	2.1020 IN.
SREF	4.0300 IN.
XMRP	3.4530 IN.
YMRP	0.0000 IN.
ZMRP	0.0000 IN.
SCALE	0.0040

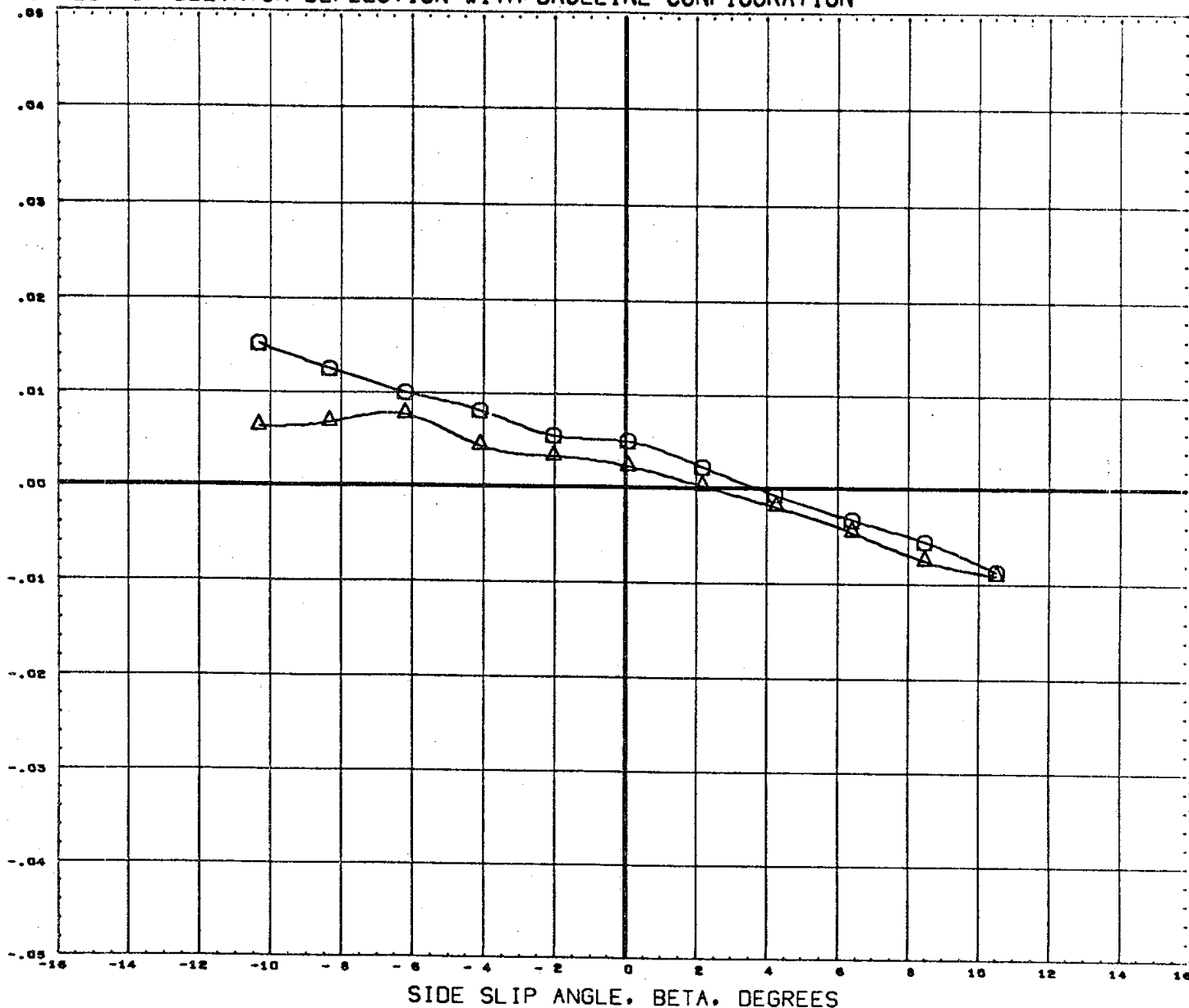
MACH

.90

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EFFECT OF ELEVATOR DEFLECTION WITH BASELINE CONFIGURATION

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)



DATA SET SYMBOL CONFIGURATION DESCRIPTION

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	RUDFLR
(A76306) \bigcirc	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	20.000	0.000	10.000
(A76313) \triangle	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	20.000	-20.000	10.000

REFERENCE INFORMATION

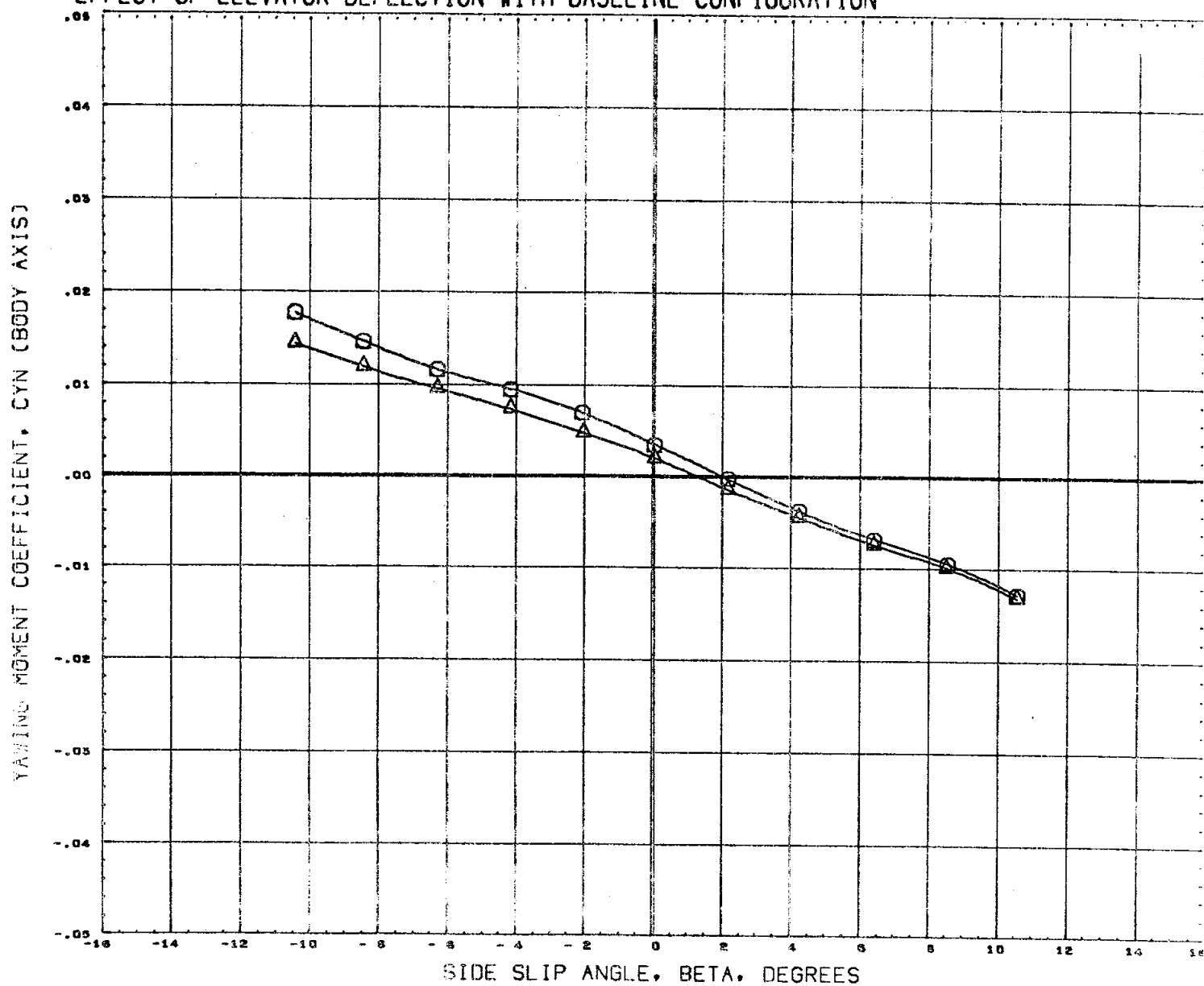
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4330	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH

1.20

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EFFECT OF ELEVATOR DEFLECTION WITH BASELINE CONFIGURATION



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(A76306) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

(A76313) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

ALPHA ELEVTR RUDFLR

20.000 0.000 10.000

20.000 -20.000 10.000

REFERENCE INFORMATION

SREF 7.4190 SQ. IN.

LREF 2.1020 IN.

BREF 4.0300 IN.

XMRP 3.4530 IN.

YMRP 0.0000 IN.

ZMRP 0.0000 IN.

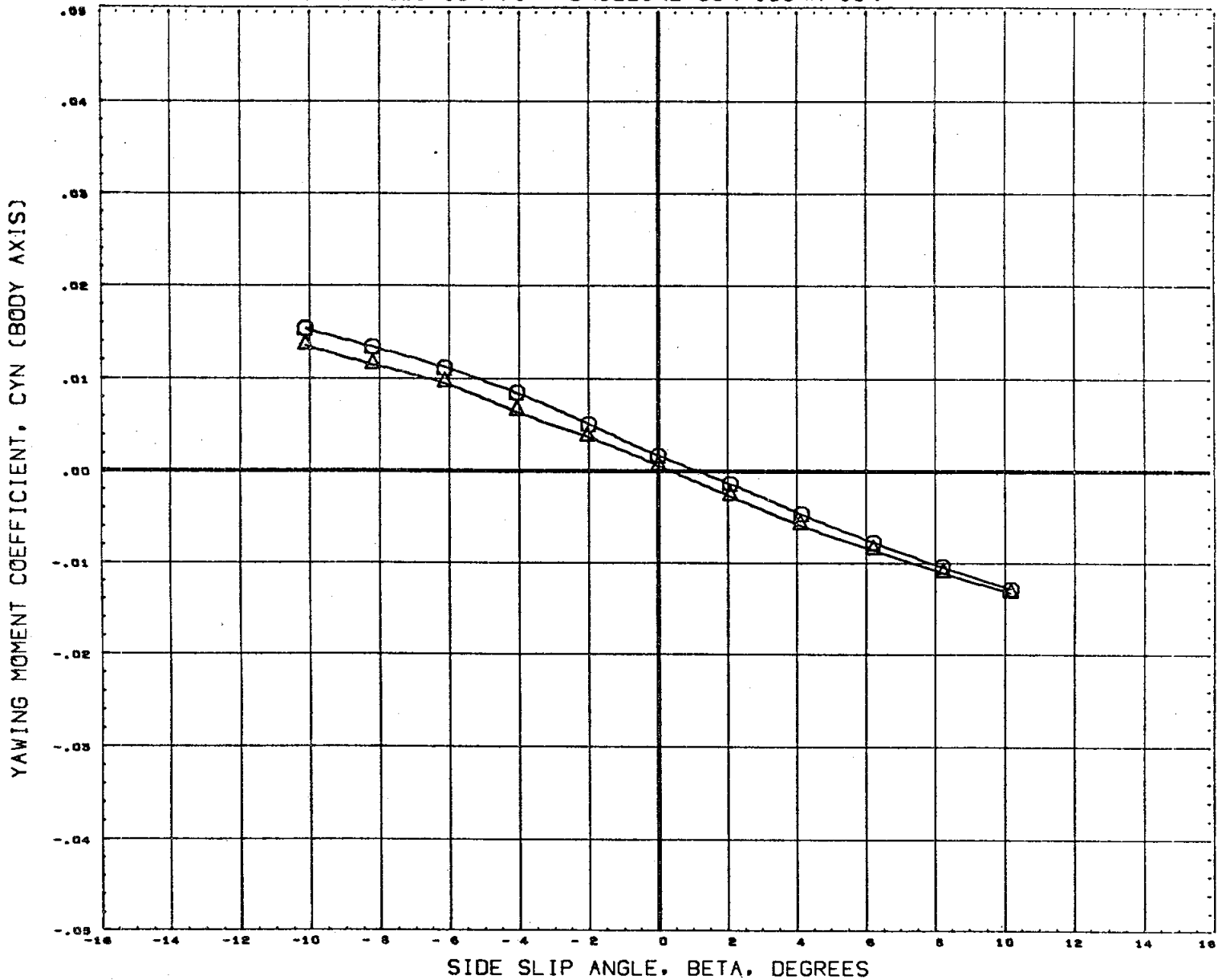
SCALE 0.0040

MACH

1.96

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EFFECT OF ELEVATOR DEFLECTION WITH BASELINE CONFIGURATION



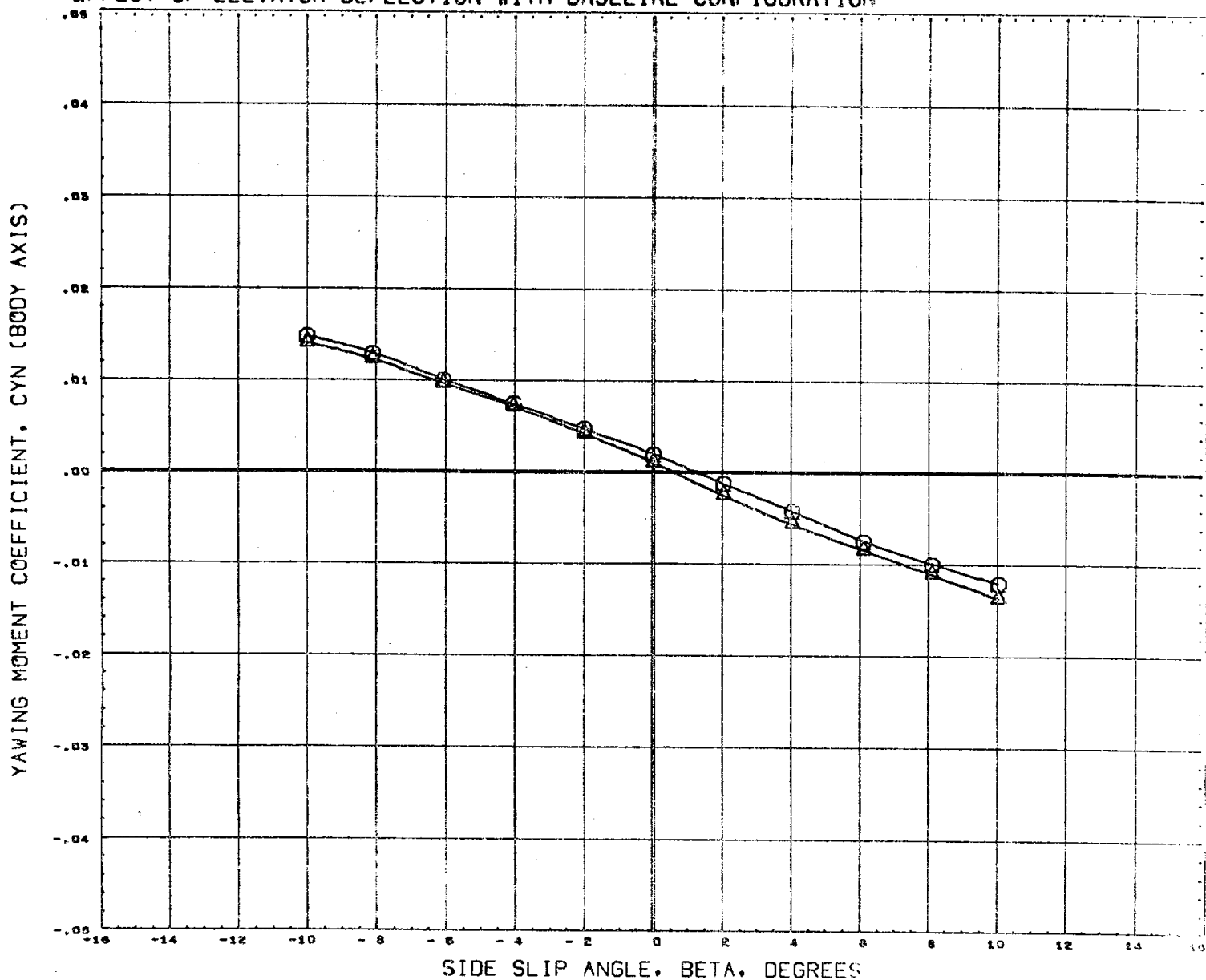
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	RUDFLR
(A76306)	M555 (FA3) NAR ATP ORB (81C1D1F1M1) (W1E1) (V1K1R1)	20.000	0.000	10.000
(A76513)	M555 (FA3) NAR ATP ORB (81C1D1F1M1) (W1E1) (V1K1R1)	20.000	-20.000	10.000

REFERENCE INFORMATION		
SREF	7.4190	50.1N.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 2.99

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EFFECT OF ELEVATOR DEFLECTION WITH BASELINE CONFIGURATION



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	RUDFLR
(A76306)	H555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	20.000	0.000	10.000
(A76313)	H555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	20.000	-20.000	10.000

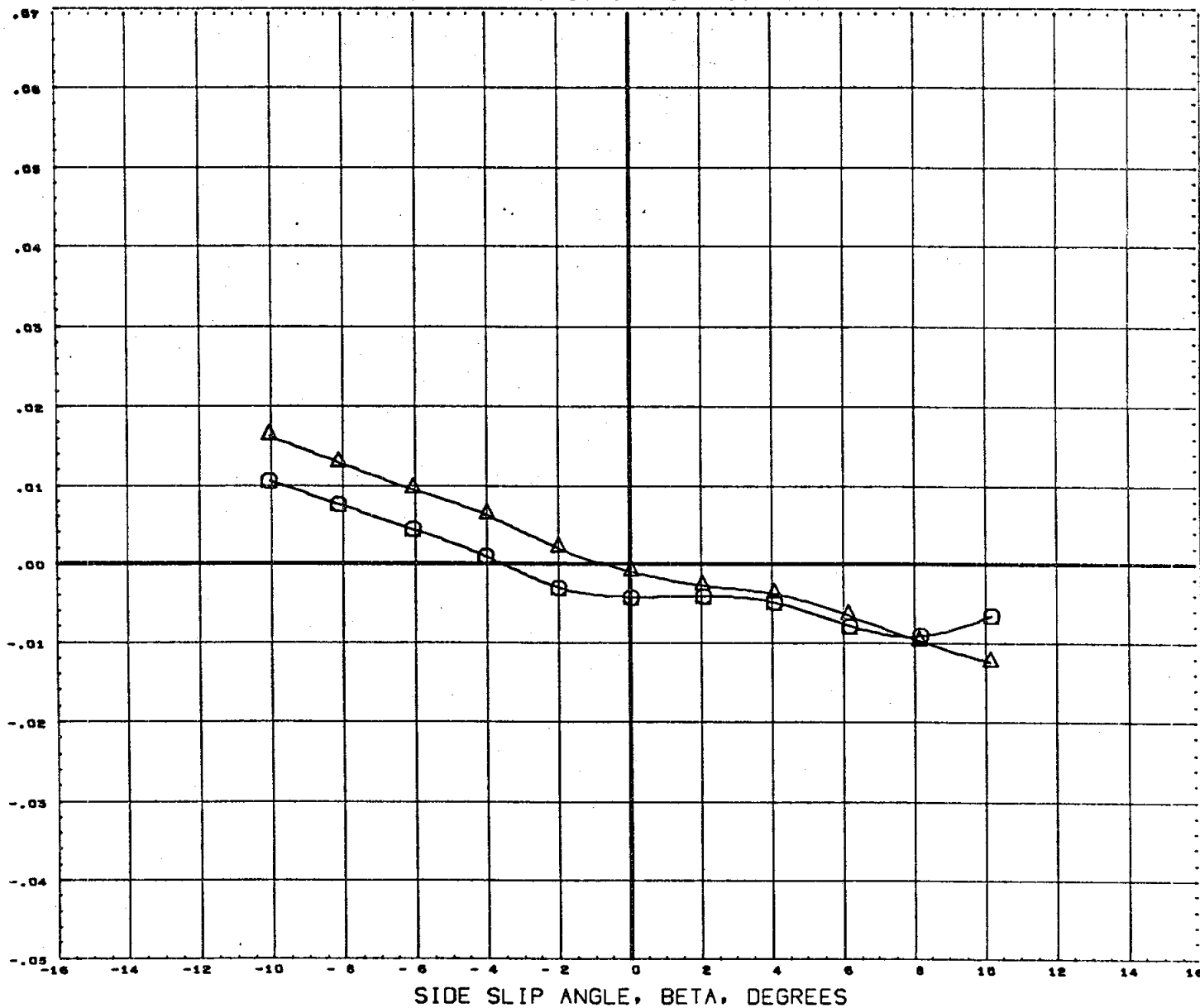
REFERENCE INFORMATION		
SREF	7.4190	Sq. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH 4.96

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EFFECT OF ELEVATOR DEFLECTION WITH BASELINE CONFIGURATION

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(A76306) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

(A76313) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

ALPHA	ELEVTR	RUDFLR
20.000	0.000	10.000
20.000	-20.000	10.000

REFERENCE INFORMATION

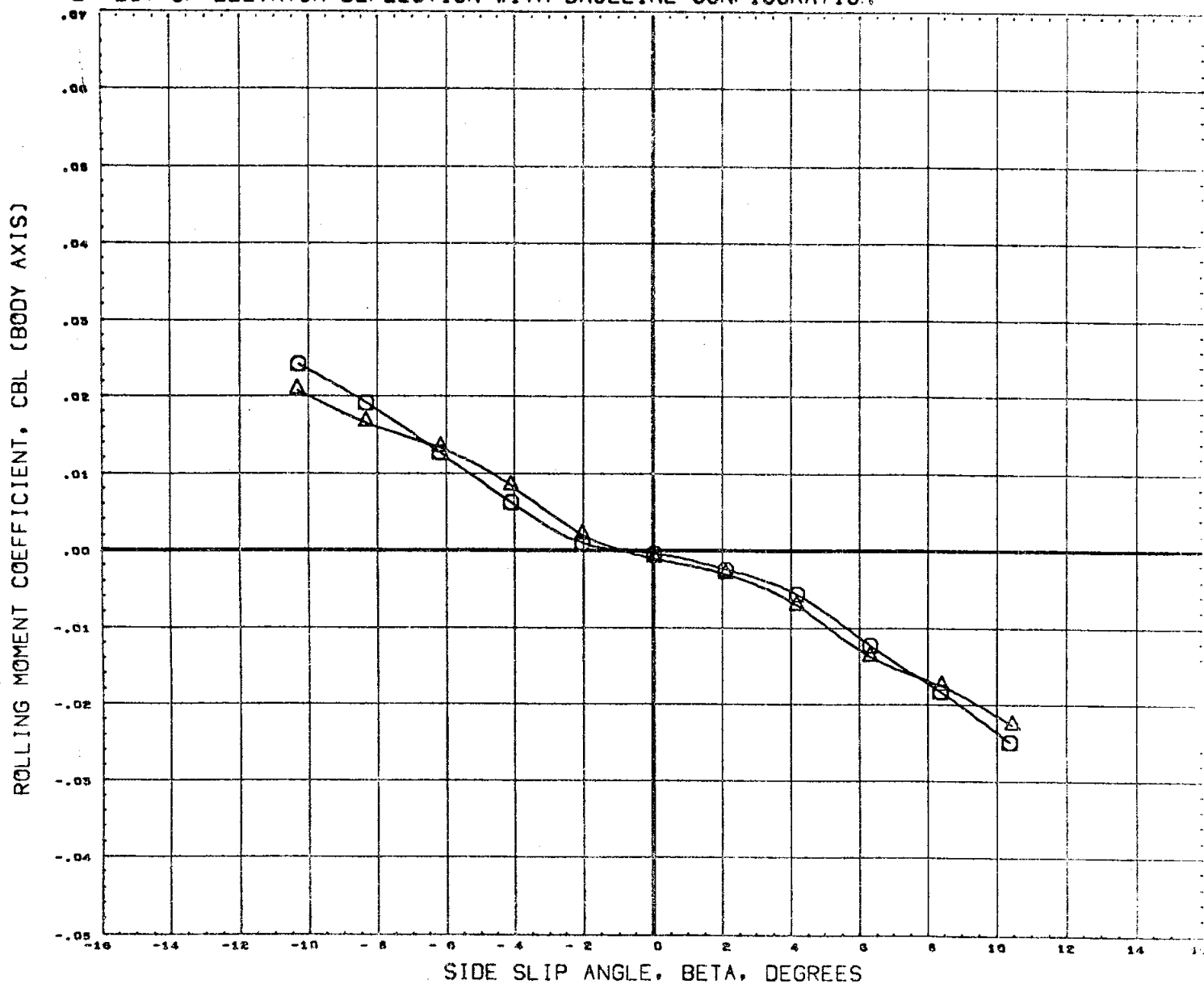
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH

.60

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EFFECT OF ELEVATOR DEFLECTION WITH BASELINE CONFIGURATION



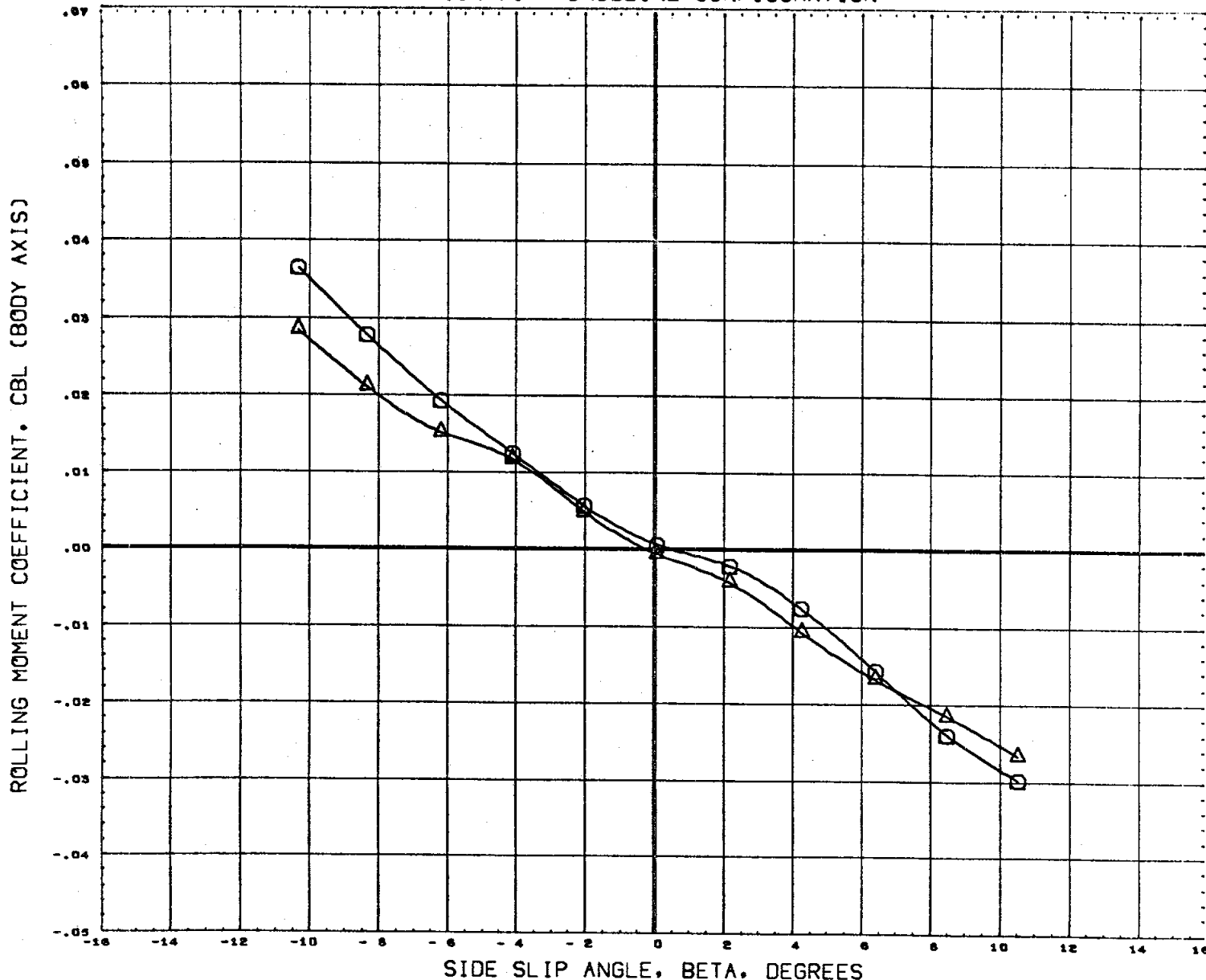
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	RUDFLR
(A76306)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	20.000	0.000	10.000
(A76313)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	20.000	-20.000	10.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH .90


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EFFECT OF ELEVATOR DEFLECTION WITH BASELINE CONFIGURATION



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(A76306)  H555 (PA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

(A76313)  H555 (PA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

ALPHA	ELEVTR	RUDFLR
20.000	0.000	10.000
20.000	-20.000	10.000

REFERENCE INFORMATION

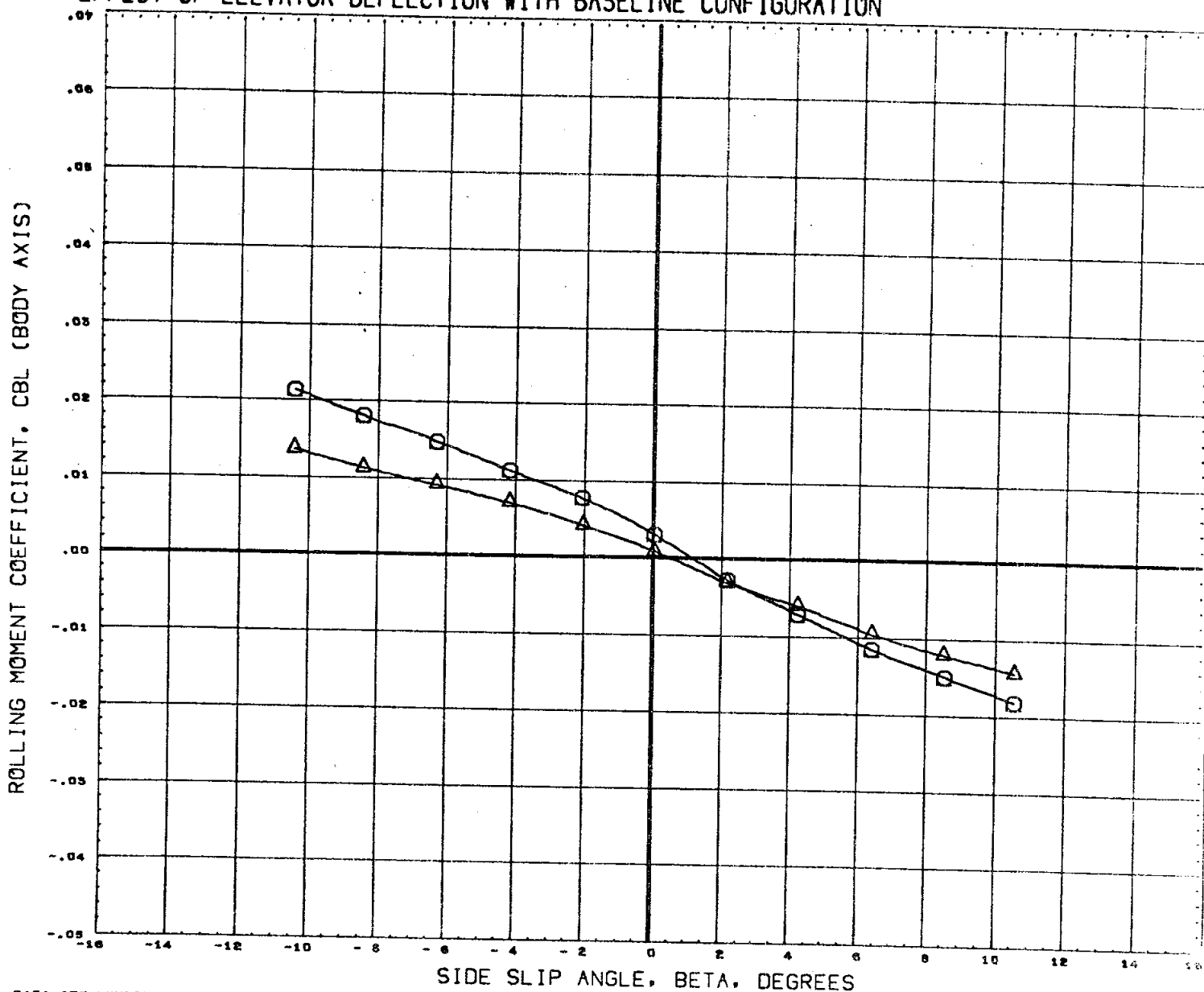
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4550	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH

1.20

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EFFECT OF ELEVATOR DEFLECTION WITH BASELINE CONFIGURATION



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(A76306) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)
 (A76313) M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

ALPHA	ELEVTR	RUDFLR
20.000	0.000	10.000
20.000	-20.000	10.000

REFERENCE INFORMATION

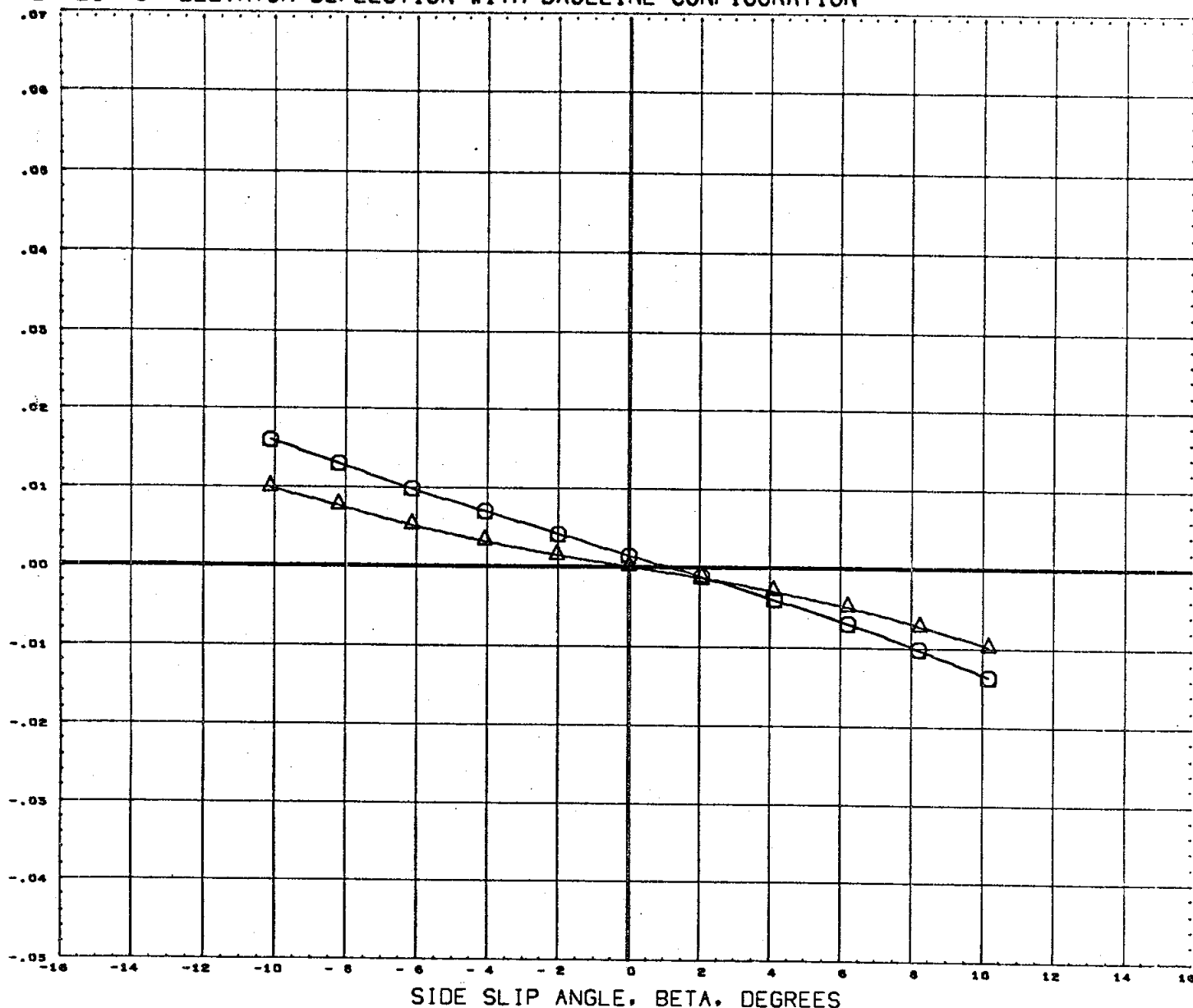
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRF	3.4530	IN.
YMRF	0.0000	IN.
ZMRF	0.0000	IN.
SCALE	0.0040	

MACH 1.96

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EFFECT OF ELEVATOR DEFLECTION WITH BASELINE CONFIGURATION

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	RUDFLR
(A76306)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	20.000	0.000	10.000
(A76313)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	20.000	-20.000	10.000

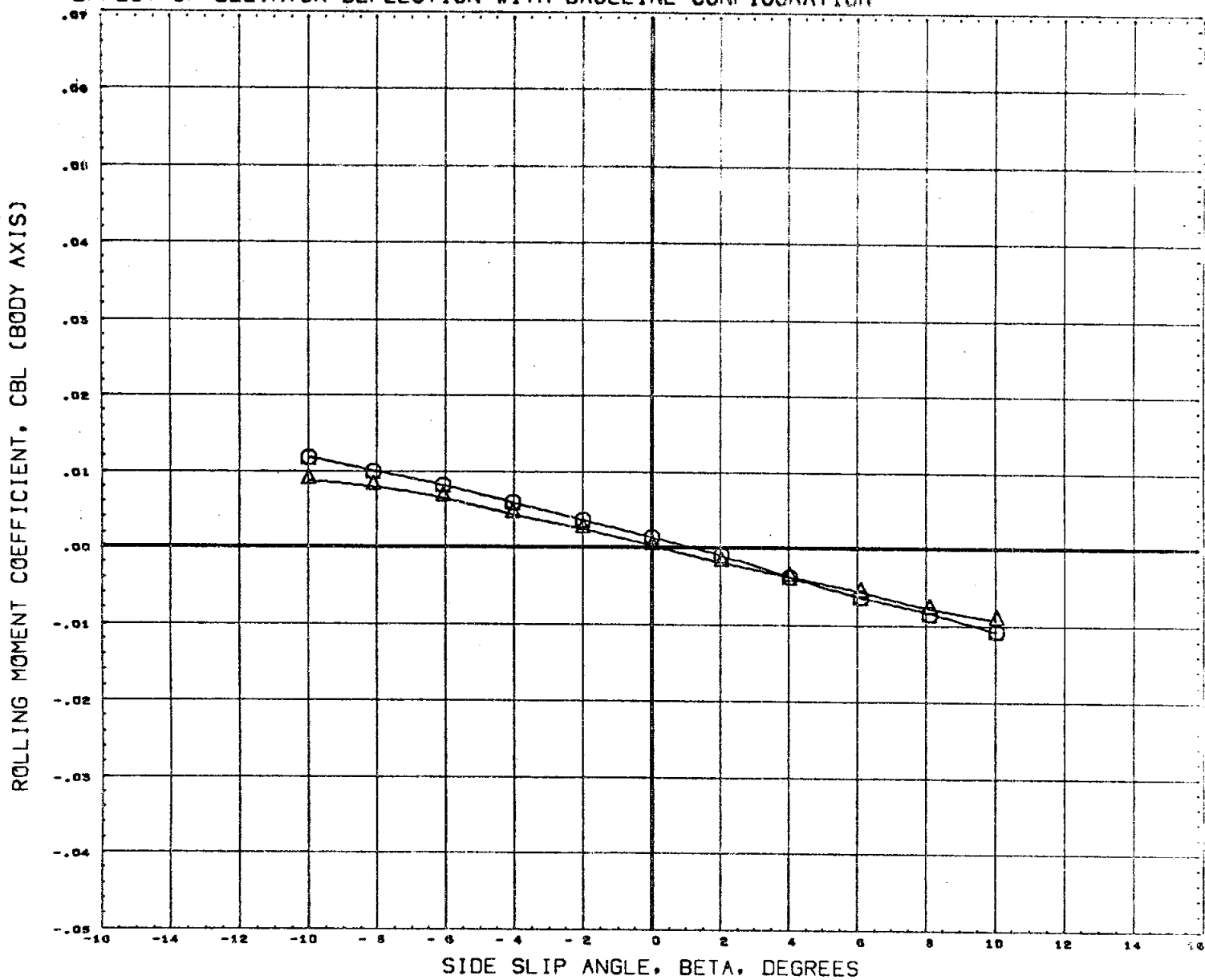
REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

MACH

2.99

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EFFECT OF ELEVATOR DEFLECTION WITH BASELINE CONFIGURATION



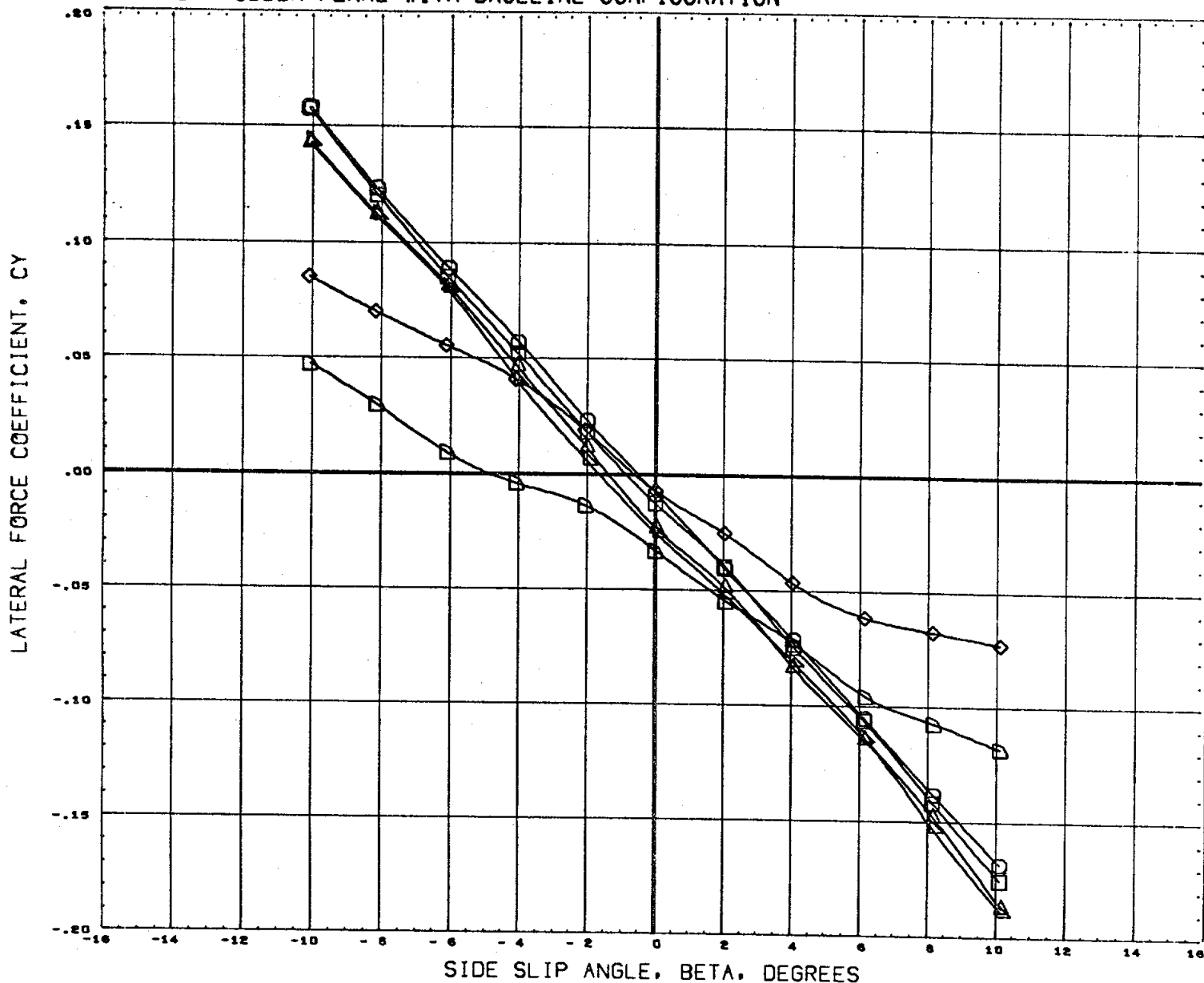
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	RUDFLR
(A76306)	M555 (FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	20.000	0.000	10.000
(A76313)	M555 (FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	20.000	-20.000	10.000

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRF	3.4530	IN.
YMRF	0.0000	IN.
ZMRF	0.0000	IN.
SCALE	0.0040	

MACH 4.96

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION

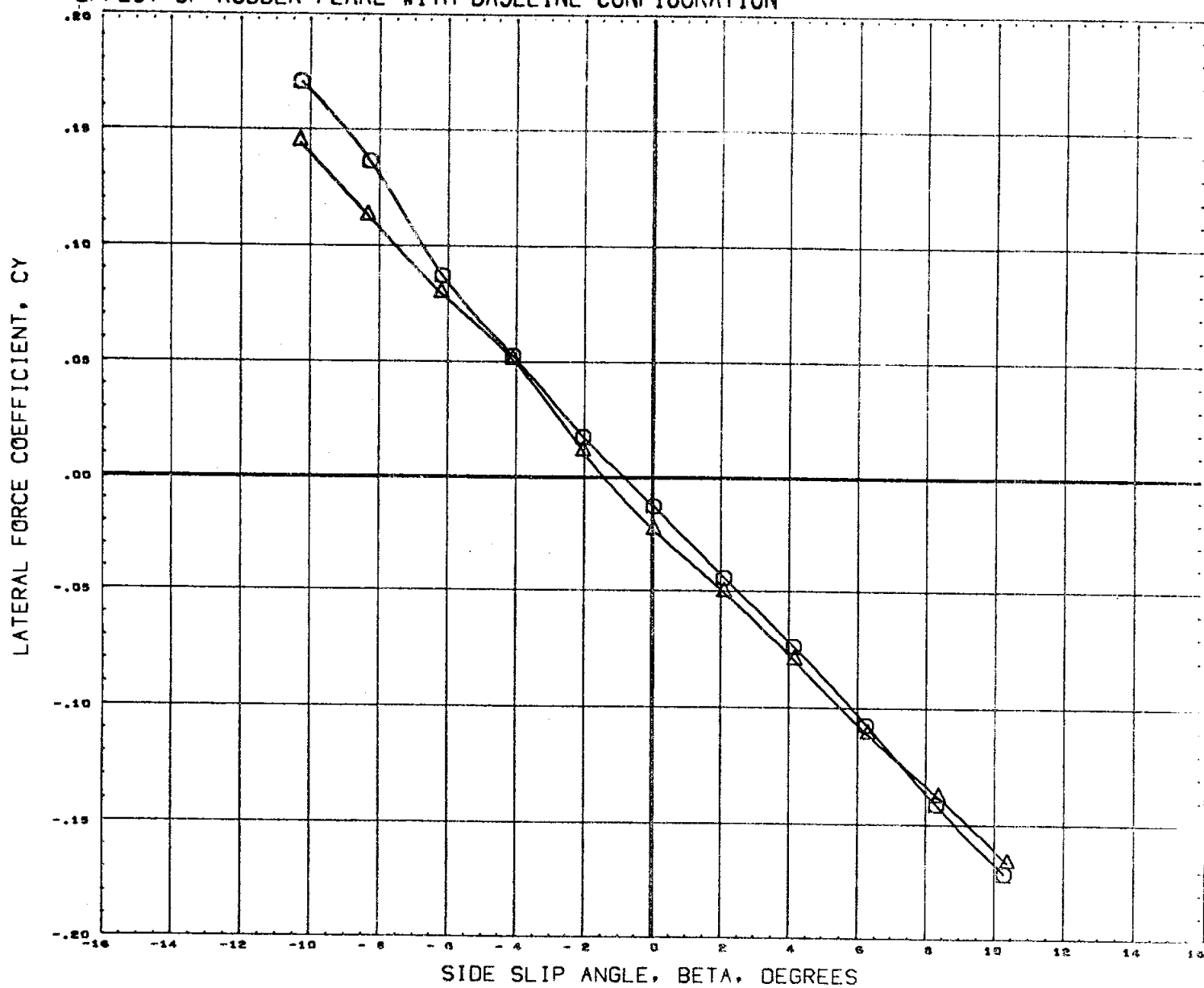


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	RUDFLR	RUDDER	REFERENCE INFORMATION		
(A76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	10.000	0.000	10.000	0.000	SREF	7.4190	sq. ft.
(A76306)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	20.000	0.000	10.000	0.000	LREF	2.1020	IN.
(A76307)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	30.000	0.000	10.000	0.000	BREF	4.0300	IN.
(A76325)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	10.000	0.000	40.000	0.000	XMRP	3.4530	IN.
(A76326)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	20.000	0.000	40.000	0.000	YMRP	0.0000	IN.
(A76327)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	30.000	0.000	40.000	0.000	ZMRP	0.0000	IN.
						SCALE	0.0040	

MACH .60

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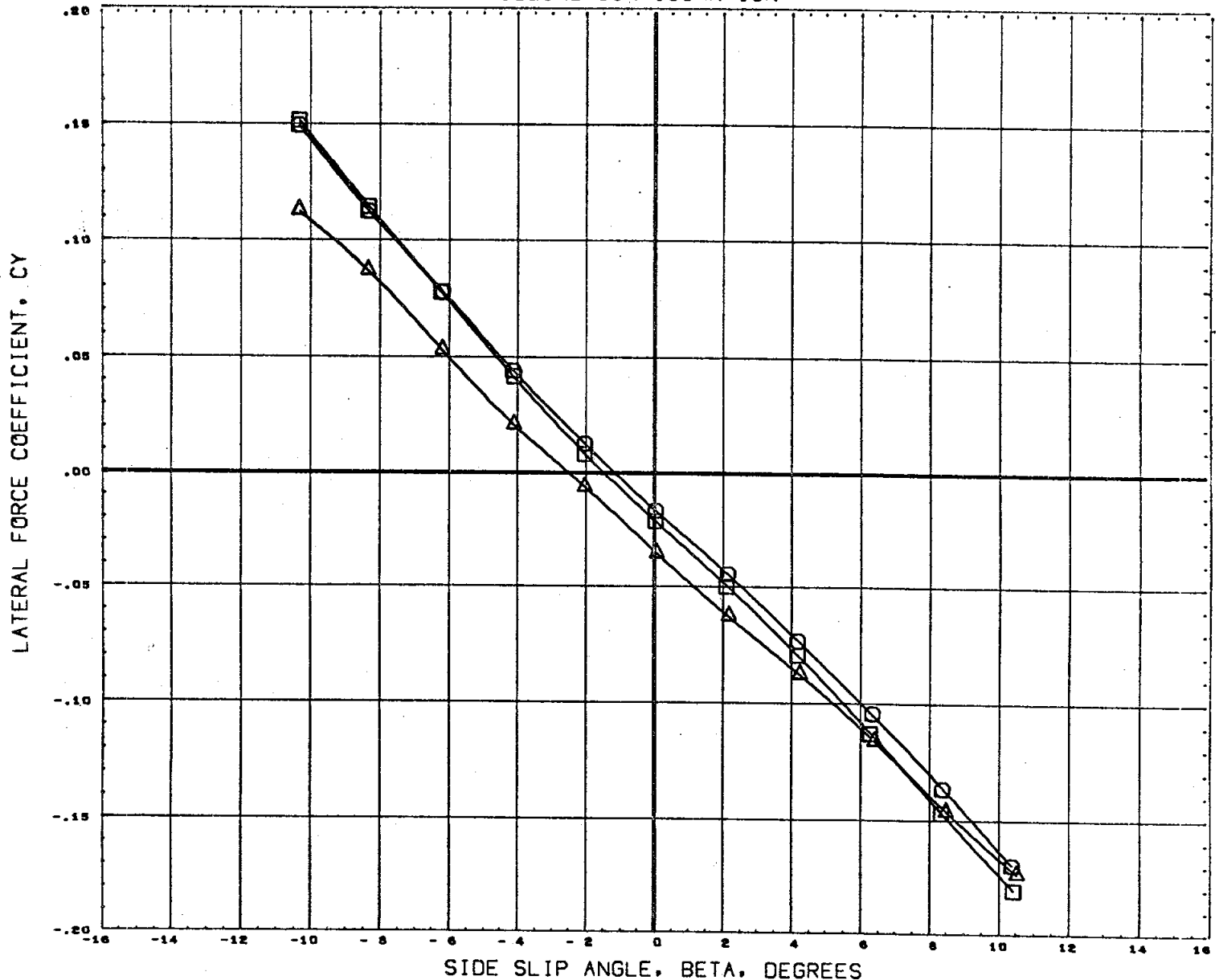
EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	RUOFLR	RUDDER	REFERENCE INFORMATION	
(A76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	10.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(A76306)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	20.000	0.000	10.000	0.000	LREF	2.1020 IN.
(A76307)	DATA NOT AVAILABLE FOR ALL CONDITIONS	30.000	0.000	10.000	0.000	BREF	4.0300 IN.
(A76325)	DATA NOT AVAILABLE FOR ALL CONDITIONS	10.000	0.000	40.000	0.000	XMRP	3.4530 IN.
(A76326)	DATA NOT AVAILABLE FOR ALL CONDITIONS	20.000	0.000	40.000	0.000	YMRP	0.0000 IN.
(A76327)	DATA NOT AVAILABLE FOR ALL CONDITIONS	30.000	0.000	40.000	0.000	ZMRP	0.0000 IN.
						SCALE	0.0040

MACH .90

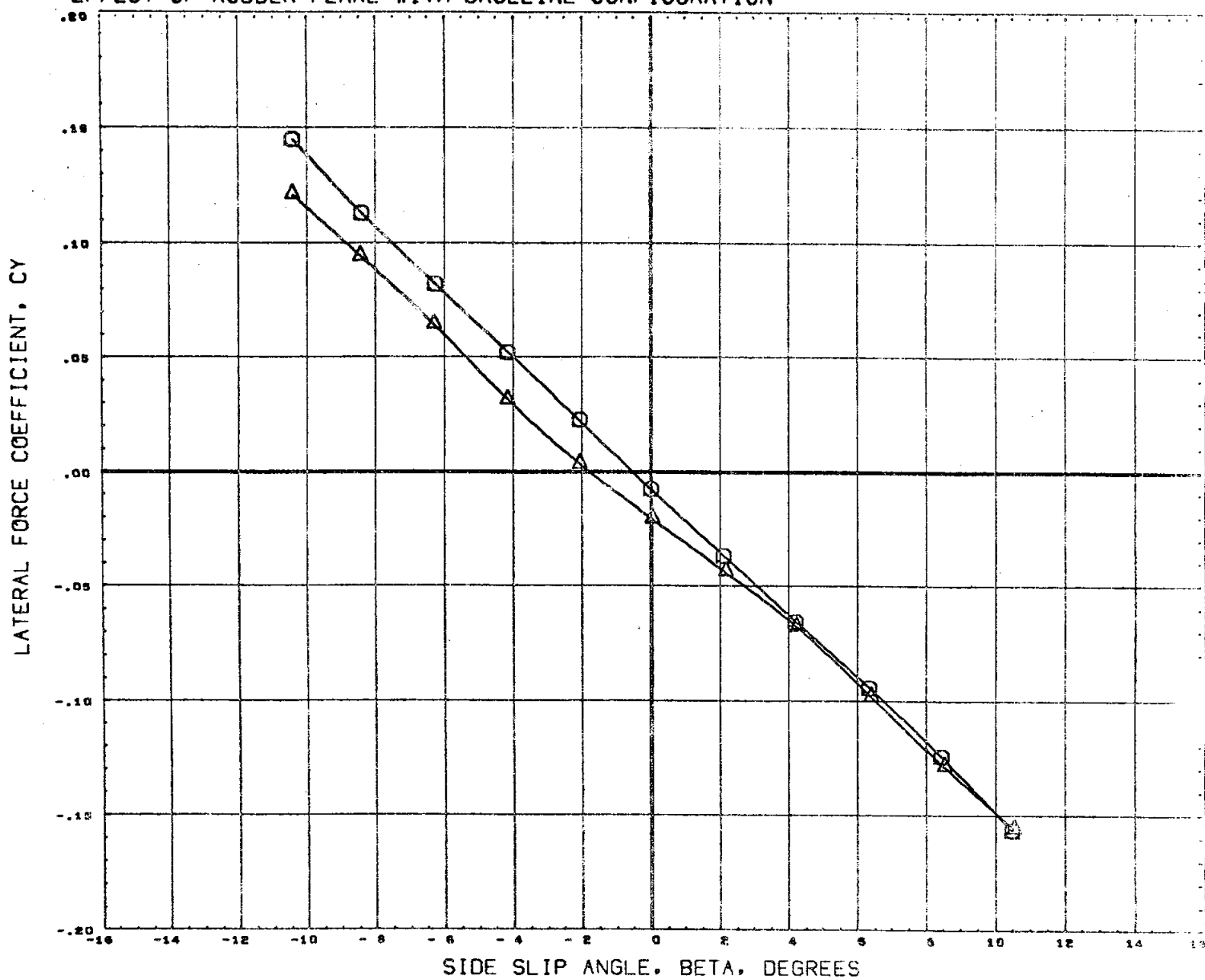
EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	RUDFLR	RUDDER	REFERENCE INFORMATION	
(A76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	10.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(A76306)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	20.000	0.000	10.000	0.000	LREF	2.1020 IN.
(A76307)	DATA NOT AVAILABLE FOR ALL CONDITIONS	30.000	0.000	10.000	0.000	BREF	4.0300 IN.
(A76325)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	10.000	0.000	40.000	0.000	XMRP	3.4530 IN.
(A76326)	DATA NOT AVAILABLE FOR ALL CONDITIONS	20.000	0.000	40.000	0.000	YMRP	0.0000 IN.
(A76327)	DATA NOT AVAILABLE FOR ALL CONDITIONS	30.000	0.000	40.000	0.000	ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 1.20

EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION

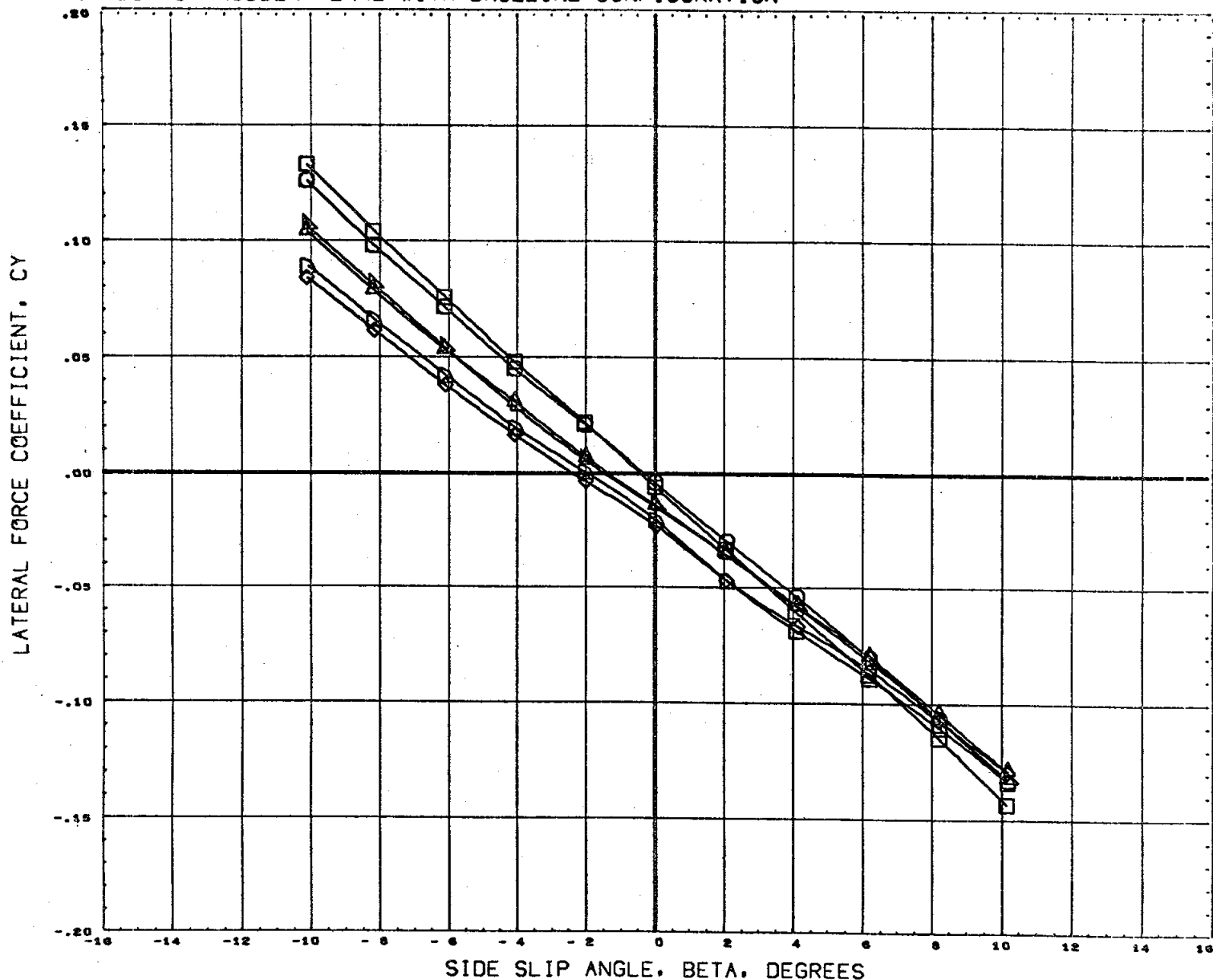


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	RUDFLR	RUDDER	REFERENCE INFORMATION	
(A76305)	M555 (FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	10.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(A76306)	M555 (FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	20.000	0.000	10.000	0.000	LREF	2.1020 IN.
(A76307)	DATA NOT AVAILABLE FOR ALL CONDITIONS	30.000	0.000	10.000	0.000	BREF	4.0300 IN.
(A76325)	DATA NOT AVAILABLE FOR ALL CONDITIONS	10.000	0.000	40.000	0.000	XMRF	3.4330 IN.
(A76326)	DATA NOT AVAILABLE FOR ALL CONDITIONS	20.000	1.000	40.000	0.000	YMRF	0.0000 IN.
(A76327)	DATA NOT AVAILABLE FOR ALL CONDITIONS	30.000	0.000	40.000	0.000	ZMRF	0.0000 IN.
						SCALE	0.0040

MACH 1.96

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION

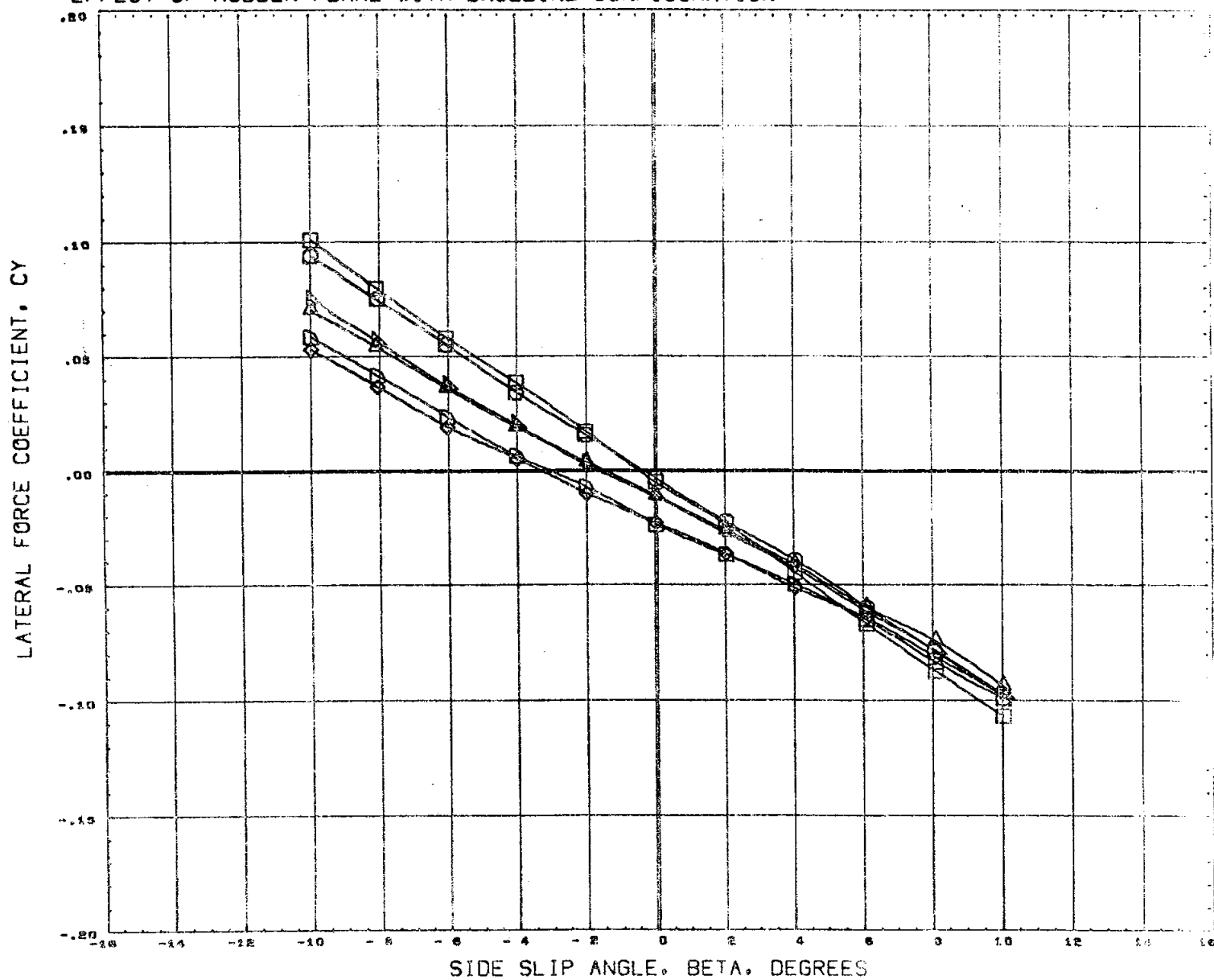


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	RUDFLR	RUDDER	REFERENCE INFORMATION
(A76305)	H555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	10.000	0.000	10.000	0.000	SREF 7.4190 SQ.IN.
(A76306)	H555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	20.000	0.000	10.000	0.000	LREF 2.1020 IN.
(A76307)	H555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	30.000	0.000	10.000	0.000	BREF 4.0300 IN.
(A76325)	H555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	10.000	0.000	40.000	0.000	XMRF 3.4530 IN.
(A76326)	H555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	20.000	0.000	40.000	0.000	YMRF 0.0000 IN.
(A76327)	H555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	30.000	0.000	40.000	0.000	ZMRF 0.0000 IN.
						SCALE 0.0040

MACH 2.99

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION

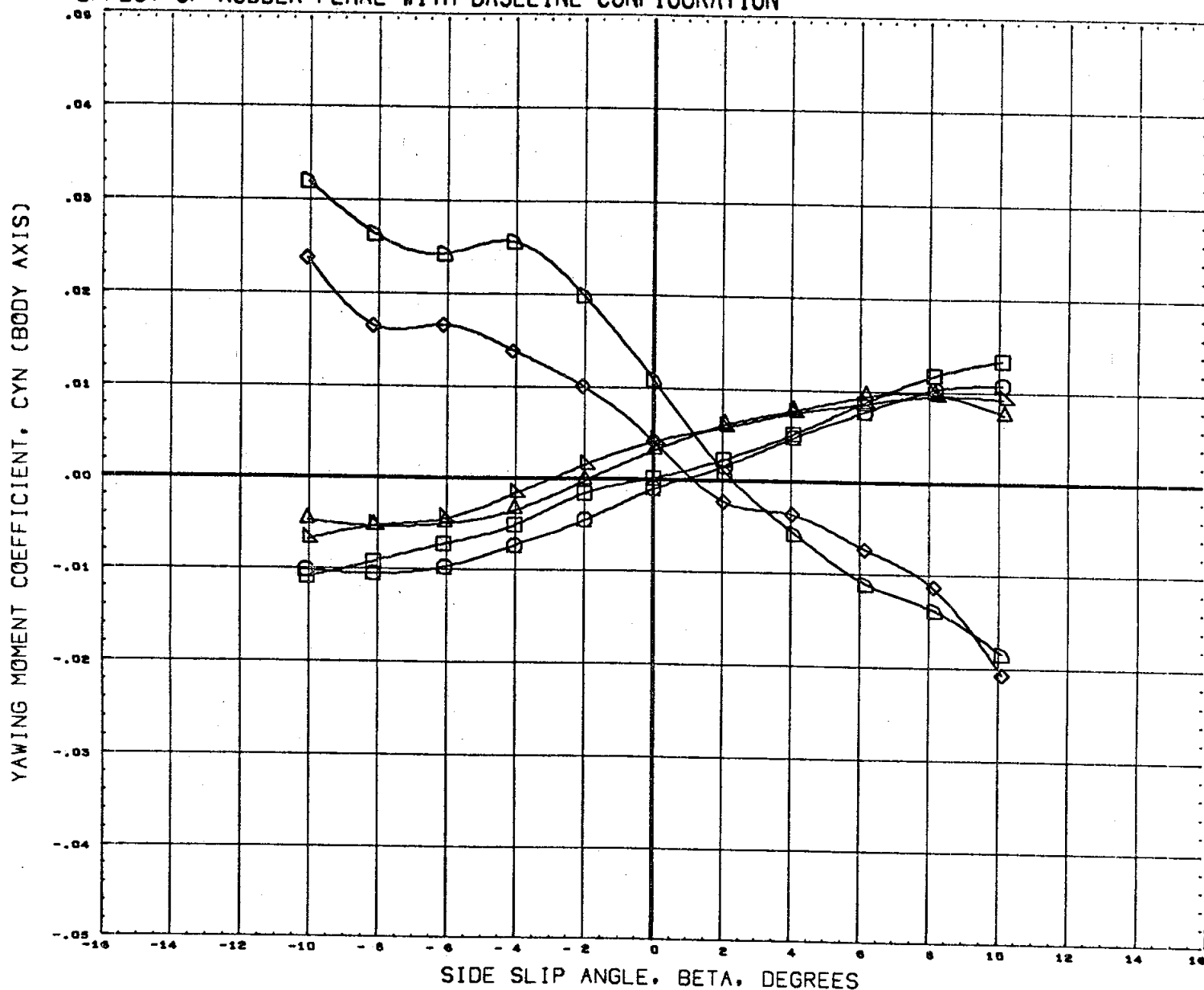


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	RUDFLR	RUDDER	REFERENCE INFORMATION	
(A76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	10.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(A76306)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	20.000	0.000	10.000	0.000	LREF	2.1020 IN.
(A76307)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	30.000	0.000	10.000	0.000	BREF	4.0300 IN.
(A76325)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R2)	10.000	0.000	40.000	0.000	XHRP	3.4530 IN.
(A76326)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R2)	20.000	0.000	40.000	0.000	YHRP	0.0000 IN.
(A76327)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R2)	30.000	0.000	40.000	0.000	ZHRP	0.0000 IN.
						SCALE	0.0040

MACH 4.96

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION

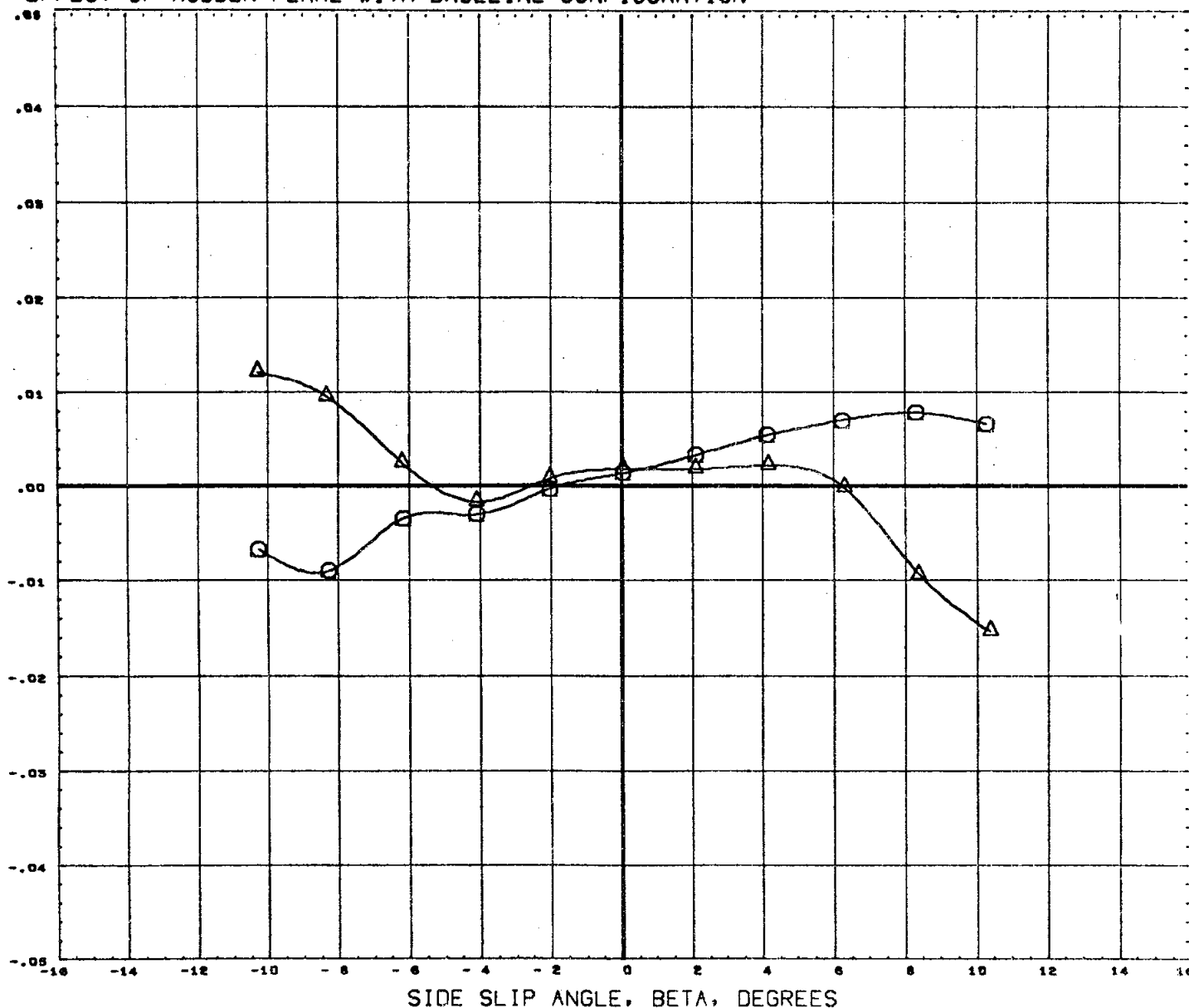


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	RUDFLR	RUDDER	REFERENCE INFORMATION
(A76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	10.000	0.000	10.000	0.000	SREF 7.4190 SQ. IN.
(A76306)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	20.000	0.000	10.000	0.000	LREF 2.1020 IN.
(A76307)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	30.000	0.000	10.000	0.000	BREF 4.0300 IN.
(A76325)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	10.000	0.000	40.000	0.000	XMRP 3.4550 IN.
(A76326)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	20.000	0.000	40.000	0.000	YMRP 0.0000 IN.
(A76327)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	30.000	0.000	40.000	0.000	ZMRP 0.0000 IN.
						SCALE 0.0040

MACH .60

EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)

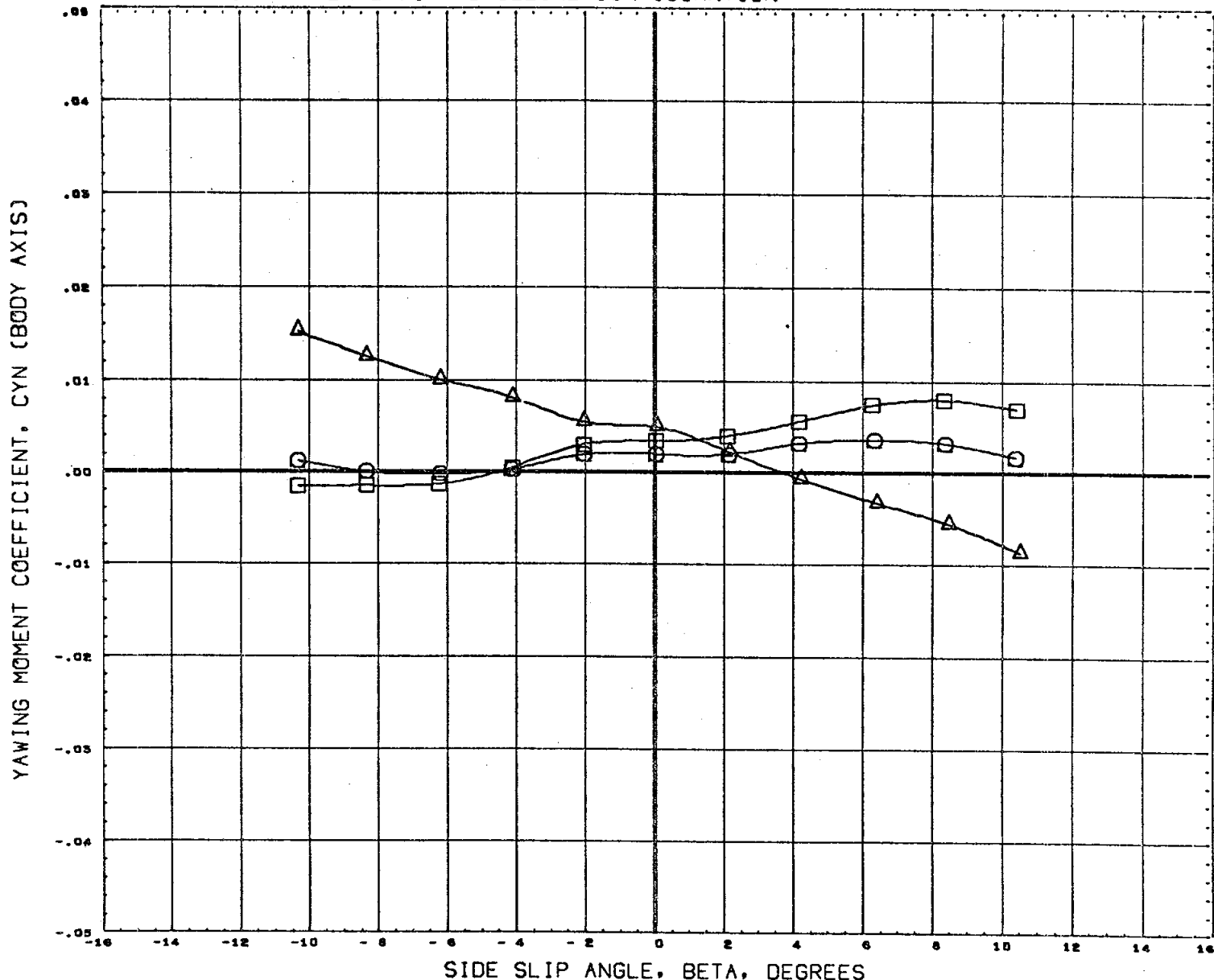


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	RUDFLR	RUDDER	REFERENCE INFORMATION	
(A76305)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	10.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(A76306)	M555(FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	20.000	0.000	10.000	0.000	LREF	2.1020 IN.
(A76307)	DATA NOT AVAILABLE FOR ALL CONDITIONS	30.000	0.000	10.000	0.000	BREF	4.0300 IN.
(A76325)	DATA NOT AVAILABLE FOR ALL CONDITIONS	10.000	0.000	40.000	0.000	XMRP	3.4530 IN.
(A76326)	DATA NOT AVAILABLE FOR ALL CONDITIONS	20.000	0.000	40.000	0.000	YMRP	0.0000 IN.
(A76327)	DATA NOT AVAILABLE FOR ALL CONDITIONS	30.000	0.000	40.000	0.000	ZMRP	0.0000 IN.
						SCALE	0.0040

MACH .90

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION

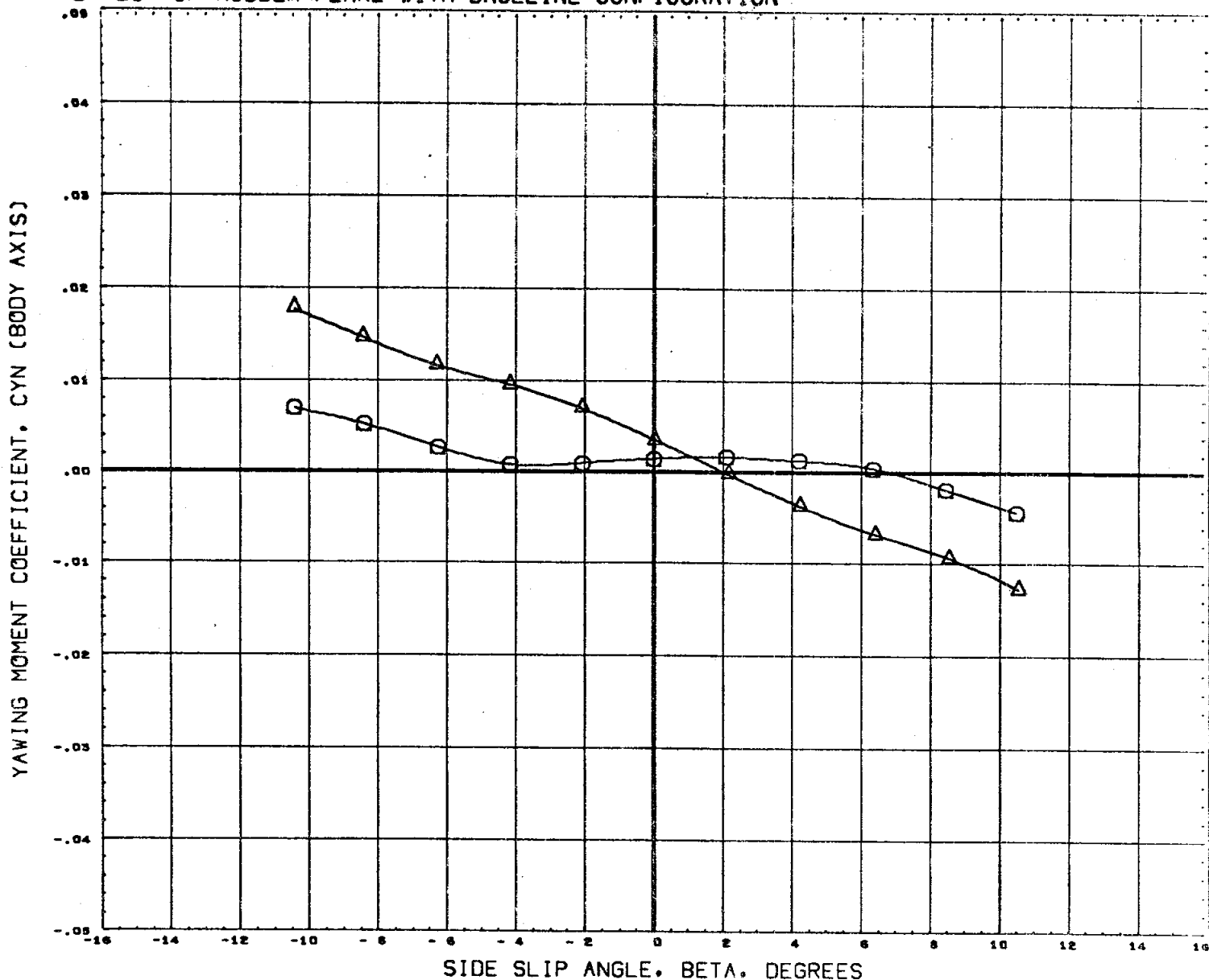


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	RUDFLR	RUDDER	REFERENCE INFORMATION
(A76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	10.000	0.000	10.000	0.000	SREF 7.4190 SQ. IN.
(A76306)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	20.000	0.000	10.000	0.000	LREF 2.1020 IN.
(A76307)	DATA NOT AVAILABLE FOR ALL CONDITIONS	30.000	0.000	10.000	0.000	BREF 4.0300 IN.
(A76325)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	10.000	0.000	40.000	0.000	XMRF 3.4530 IN.
(A76326)	DATA NOT AVAILABLE FOR ALL CONDITIONS	20.000	0.000	40.000	0.000	YMRF 0.0000 IN.
(A76327)	DATA NOT AVAILABLE FOR ALL CONDITIONS	30.000	0.000	40.000	0.000	ZMRF 0.0000 IN.
						SCALE 0.0040

MACH 1.20

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION



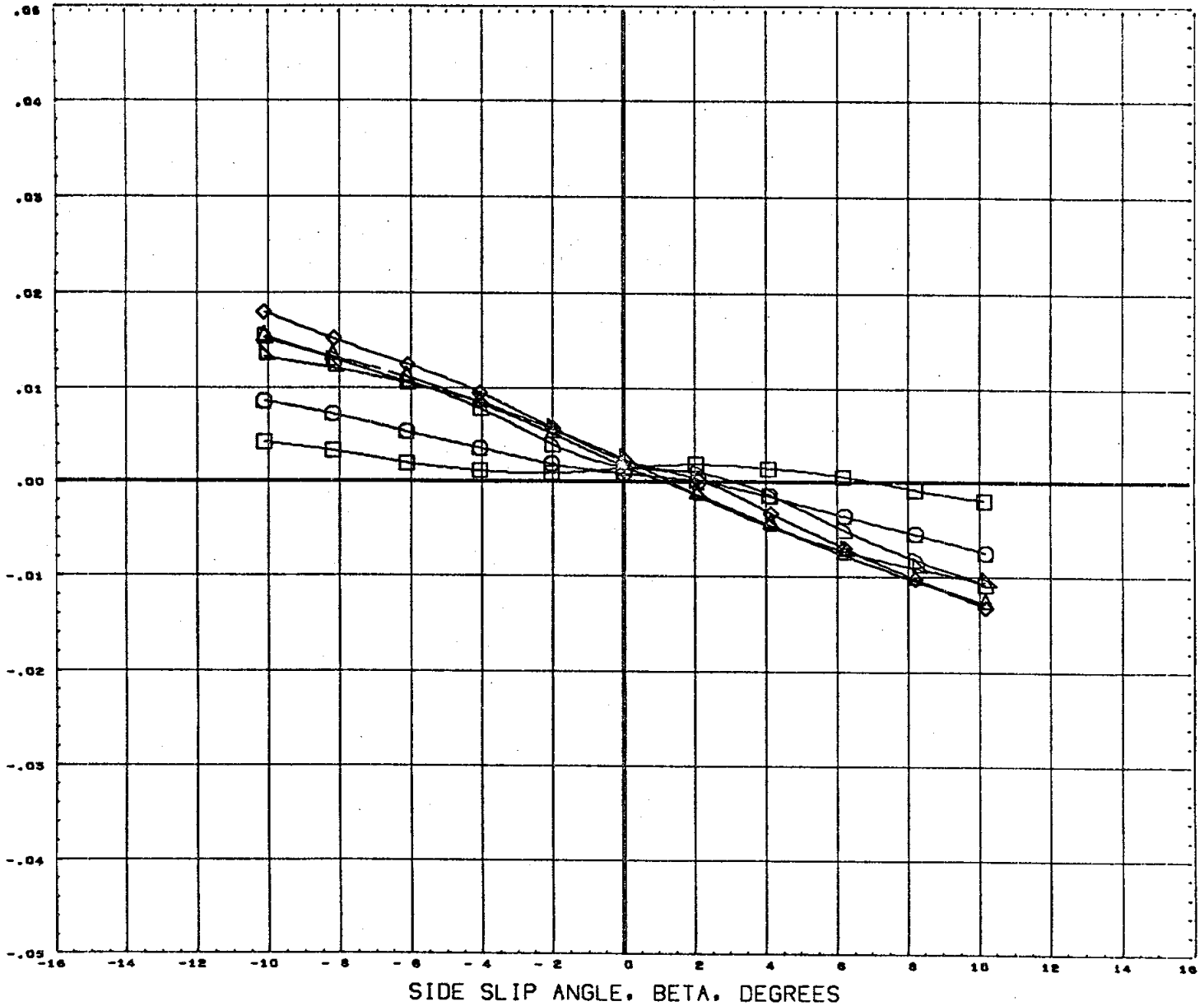
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	RUDFLR	RUDDER	REFERENCE INFORMATION	
(A76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	10.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(A76306)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	20.000	0.000	10.000	0.000	LREF	2.1020 IN.
(A76307)	DATA NOT AVAILABLE FOR ALL CONDITIONS	30.000	0.000	10.000	0.000	SREF	4.0300 IN.
(A76325)	DATA NOT AVAILABLE FOR ALL CONDITIONS	10.000	0.000	40.000	0.000	XMRP	3.4530 IN.
(A76326)	DATA NOT AVAILABLE FOR ALL CONDITIONS	20.000	0.000	40.000	0.000	YMRP	0.0000 IN.
(A76327)	DATA NOT AVAILABLE FOR ALL CONDITIONS	30.000	0.000	40.000	0.000	ZMRP	0.0000 IN.
						SCALE	0.0040

MACH

1.96

EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)

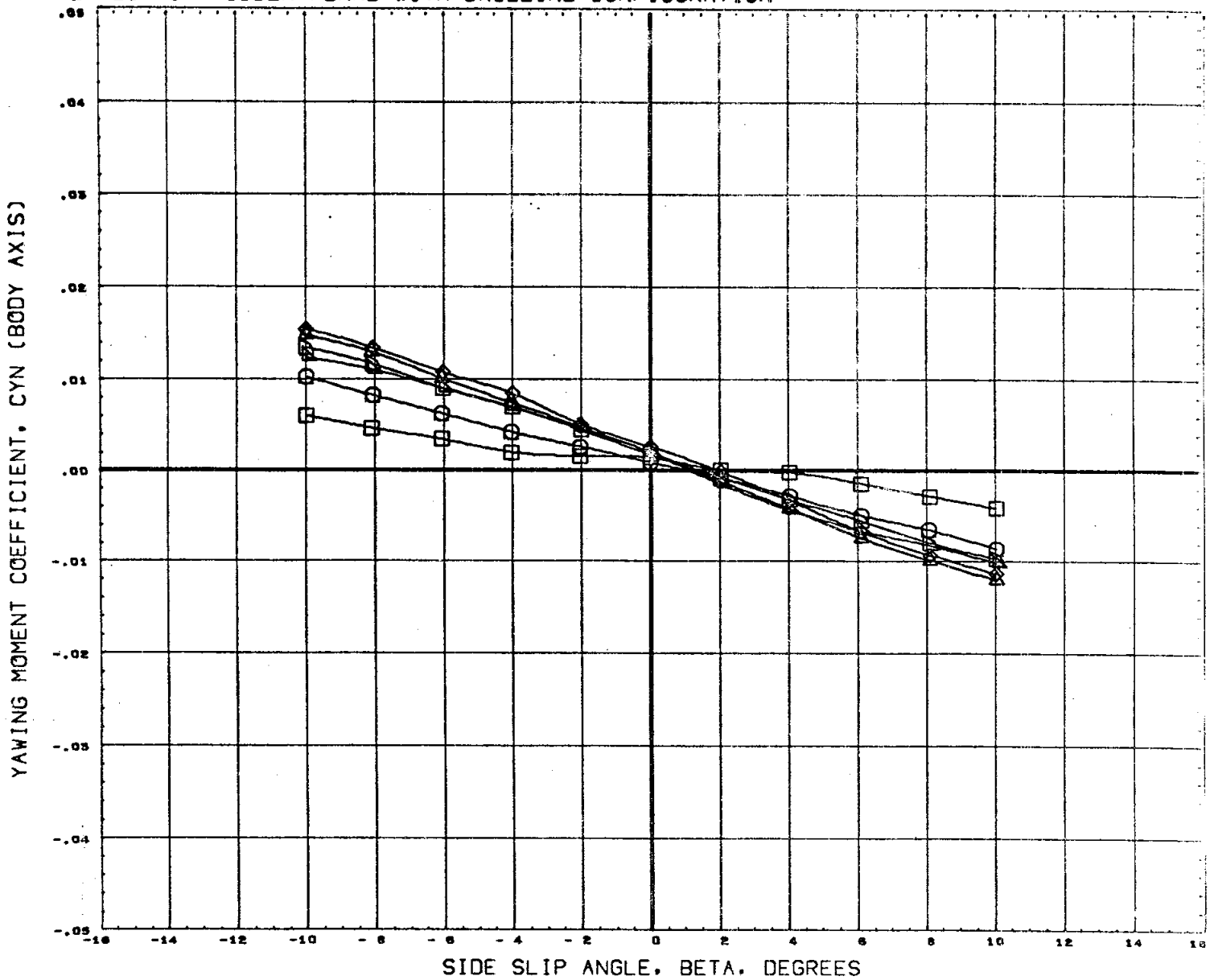


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	RUDFLR	RUDDER	REFERENCE INFORMATION
(A76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	10.000	0.000	10.000	0.000	SREF 7.4190 SQ. IN.
(A76306)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	20.000	0.000	10.000	0.000	LREF 2.1020 IN.
(A76307)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	30.000	0.000	10.000	0.000	BREF 4.0300 IN.
(A76325)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	10.000	0.000	40.000	0.000	XMRP 3.4330 IN.
(A76326)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	20.000	0.000	40.000	0.000	YMRP 0.0000 IN.
(A76327)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	30.000	0.000	40.000	0.000	ZMRP 0.0000 IN.
						SCALE 0.0040

MACH 2.99

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION

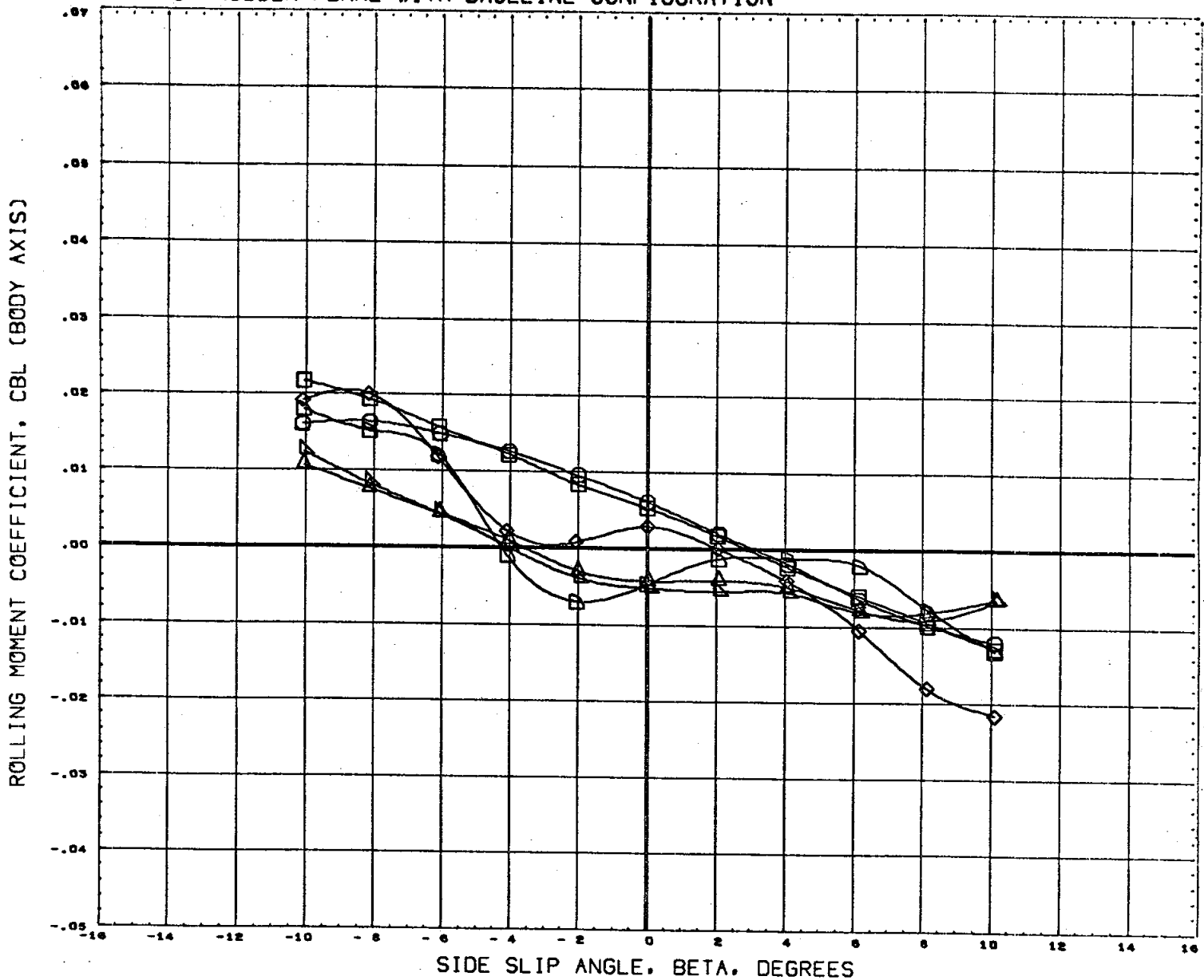


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	RUDFLR	RUDDER	REFERENCE INFORMATION
(A76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	10.000	0.000	10.000	0.000	SREF 7.4190 SQ. IN.
(A76306)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	20.000	0.000	10.000	0.000	LREF 2.1020 IN.
(A76307)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	30.000	0.000	10.000	0.000	BREF 4.0300 IN.
(A76325)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	10.000	0.000	40.000	0.000	XMRP 3.4530 IN.
(A76326)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	20.000	0.000	40.000	0.000	YMRP 0.0000 IN.
(A76327)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	30.000	0.000	40.000	0.000	ZMRP 0.0000 IN.
						SCALE 0.0040

MACH 4.96

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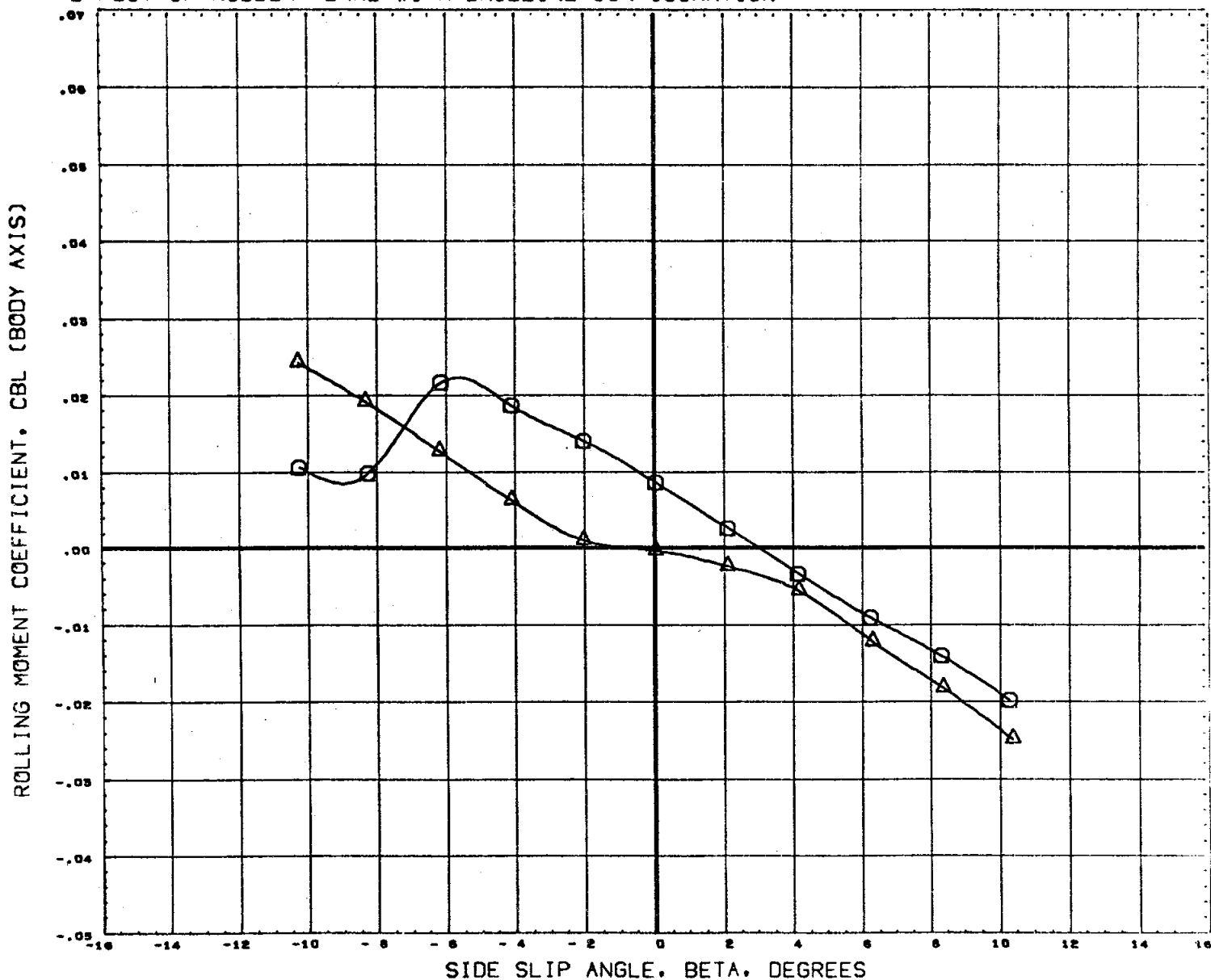
EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	RUDFLR	RUDDER	REFERENCE INFORMATION
(A76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	10.000	0.000	10.000	0.000	SREF 7.4190 SQ. IN.
(A76306)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	20.000	0.000	10.000	0.000	LREF 2.1020 IN.
(A76307)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	30.000	0.000	10.000	0.000	SREF 4.0300 IN.
(A76325)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	10.000	0.000	40.000	0.000	XHRP 3.4530 IN.
(A76326)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	20.000	0.000	40.000	0.000	YHRP 0.0000 IN.
(A76327)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	30.000	0.000	40.000	0.000	ZHRP 0.0000 IN.
						SCALE 0.0040

MACH .60

EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION



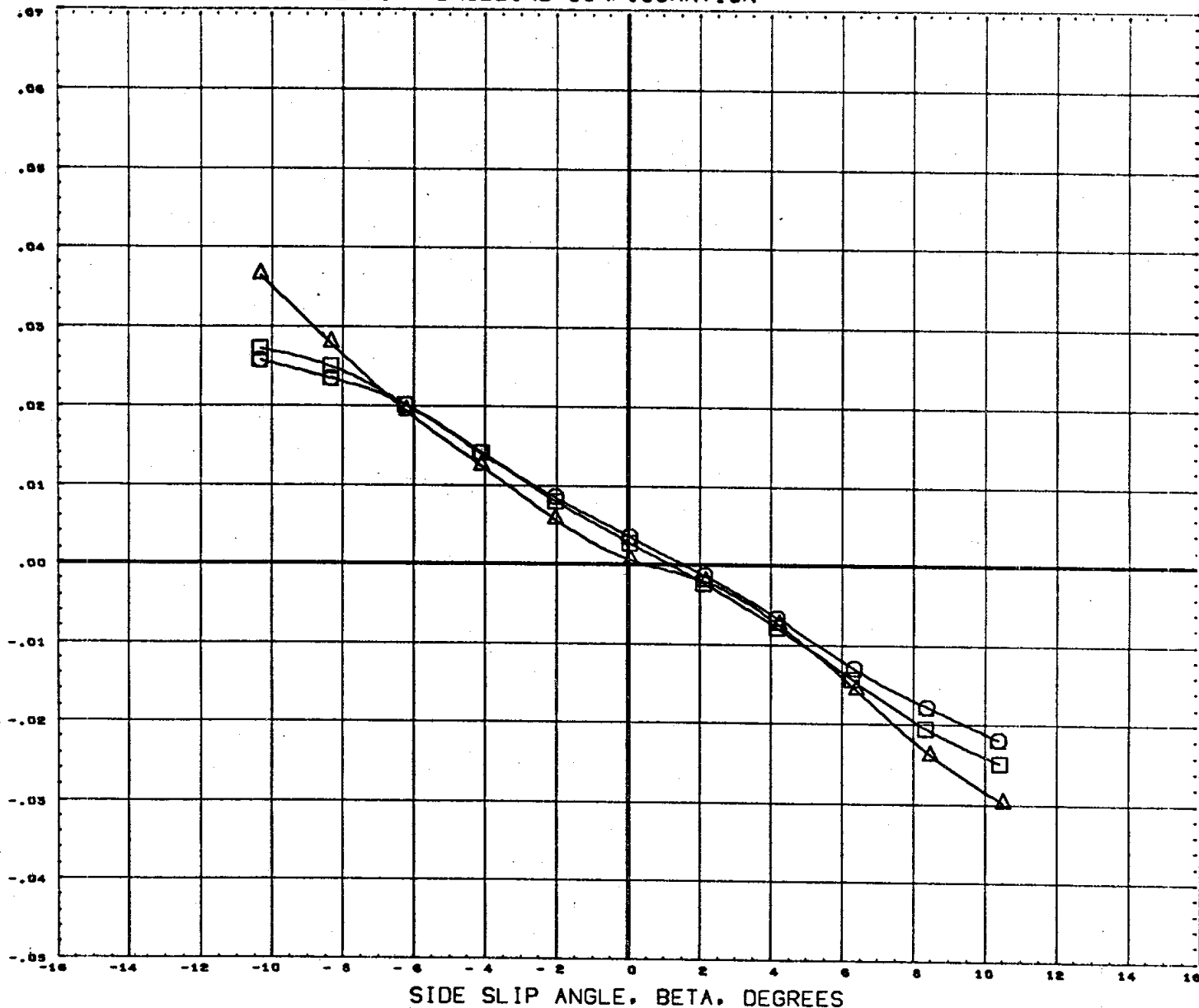
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	RUDFLR	RUDDER	REFERENCE INFORMATION	
(A76305)	M555 (FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	10.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(A76306)	M555 (FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	20.000	0.000	10.000	0.000	LREF	2.1020 IN.
(A76307)	DATA NOT AVAILABLE FOR ALL CONDITIONS	30.000	0.000	10.000	0.000	BREF	4.0300 IN.
(A76325)	DATA NOT AVAILABLE FOR ALL CONDITIONS	10.000	0.000	40.000	0.000	YMRP	3.4530 IN.
(A76326)	DATA NOT AVAILABLE FOR ALL CONDITIONS	20.000	0.000	40.000	0.000	ZMRP	0.0000 IN.
(A76327)	DATA NOT AVAILABLE FOR ALL CONDITIONS	30.000	0.000	40.000	0.000	ZMRP	0.0000 IN.
						SCALE	0.0040

MACH .90

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



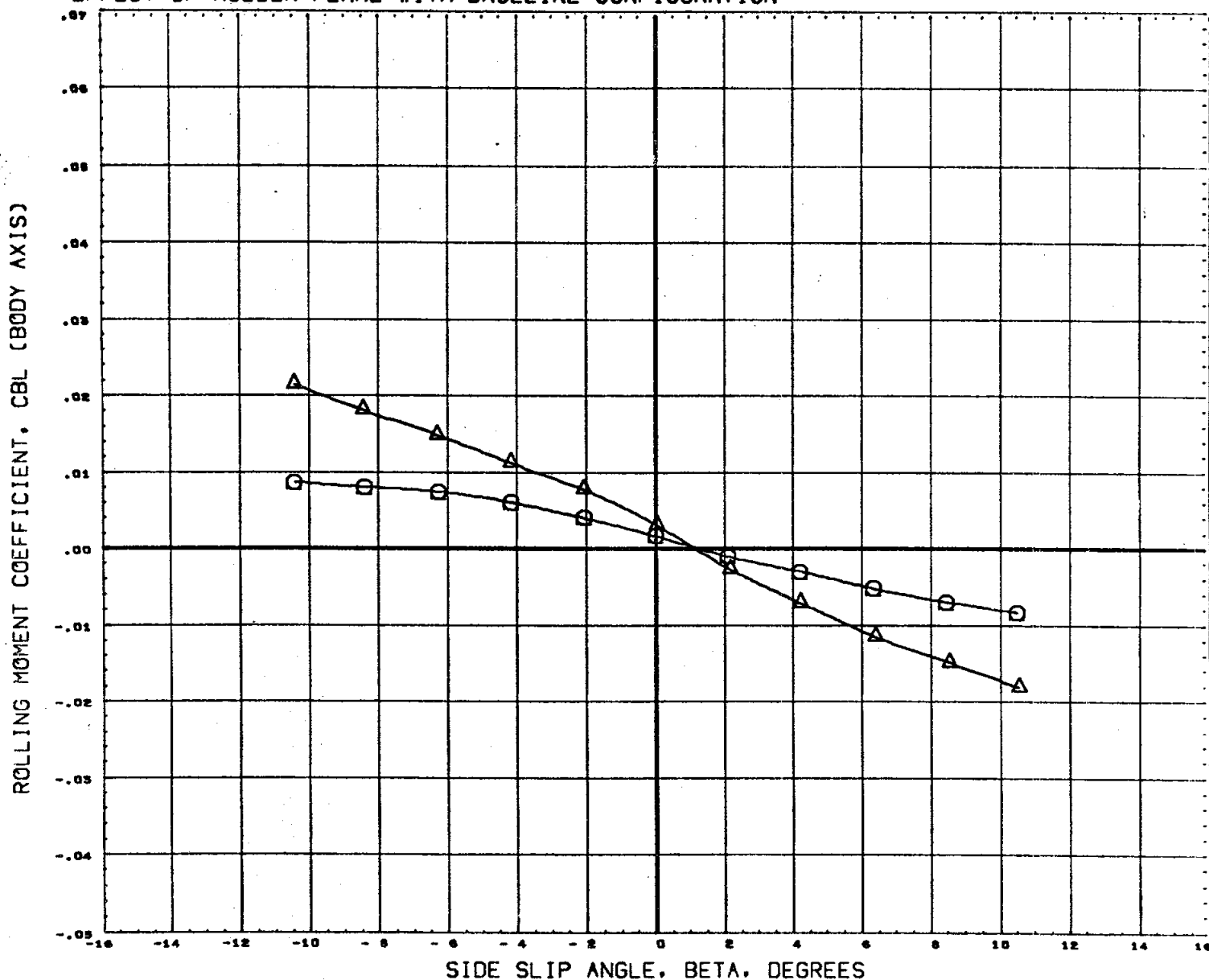
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(A76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	10.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(A76306)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	20.000	0.000	10.000	0.000	LREF	2.1020 IN.
(A76307)	DATA NOT AVAILABLE FOR ALL CONDITIONS	30.000	0.000	10.000	0.000	BREF	4.0300 IN.
(A76325)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	10.000	0.000	40.000	0.000	XMRF	3.4530 IN.
(A76326)	DATA NOT AVAILABLE FOR ALL CONDITIONS	20.000	0.000	40.000	0.000	YMRF	0.0000 IN.
(A76327)	DATA NOT AVAILABLE FOR ALL CONDITIONS	30.000	0.000	40.000	0.000	ZMRF	0.0000 IN.
						SCALE	0.0040

MACH

1.20

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION

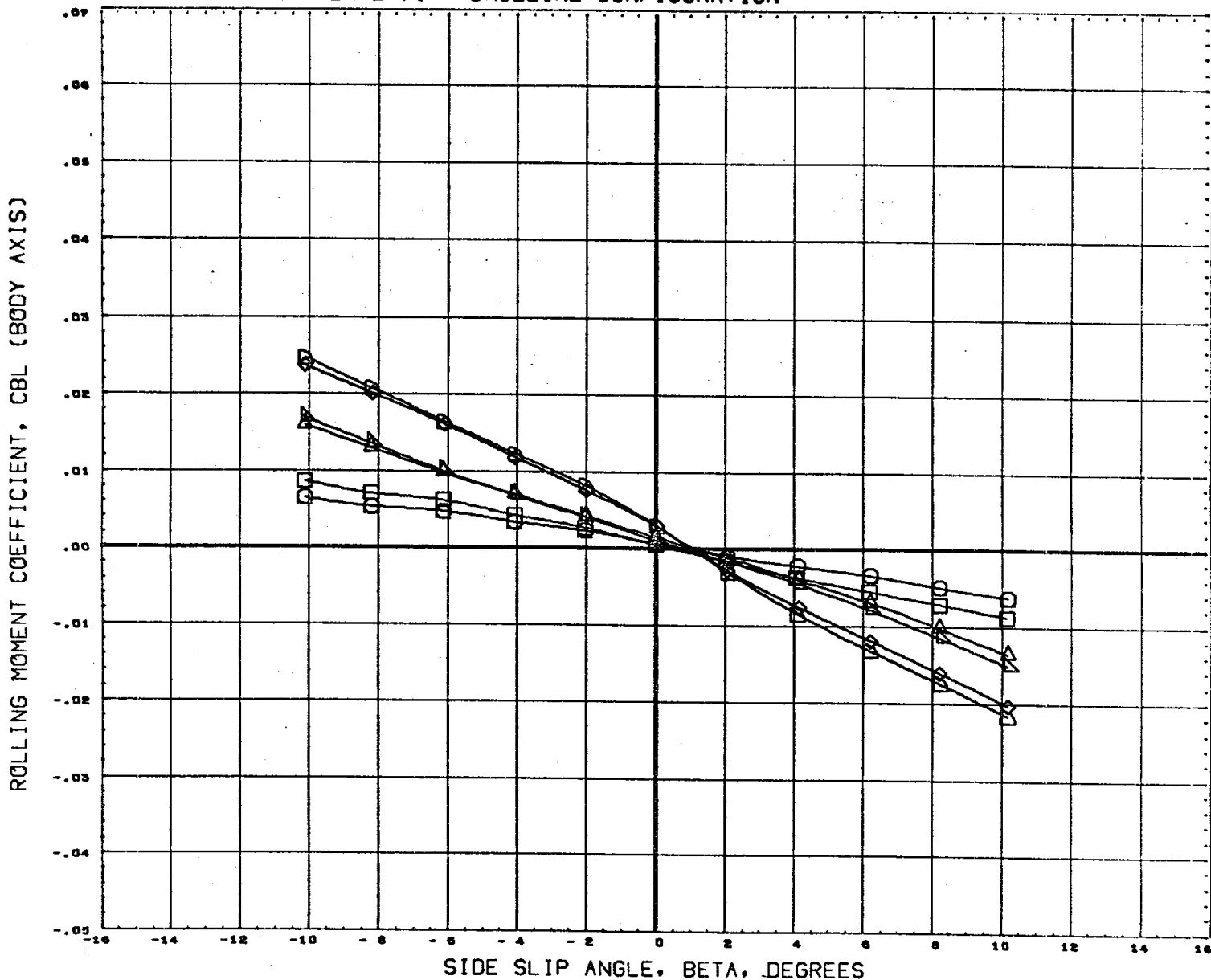


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	RUDFLR	RUDDER	REFERENCE INFORMATION	
(A76305)	M555 (FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	10.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(A76306)	M555 (FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	20.000	0.000	10.000	0.000	LREF	2.1020 IN.
(A76307)	DATA NOT AVAILABLE FOR ALL CONDITIONS	30.000	0.000	10.000	0.000	BREF	4.0500 IN.
(A76325)	DATA NOT AVAILABLE FOR ALL CONDITIONS	10.000	0.000	40.000	0.000	XMRP	3.4530 IN.
(A76326)	DATA NOT AVAILABLE FOR ALL CONDITIONS	20.000	0.000	40.000	0.000	YMRP	0.0000 IN.
(A76327)	DATA NOT AVAILABLE FOR ALL CONDITIONS	30.000	0.000	40.000	0.000	ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 1.96

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION

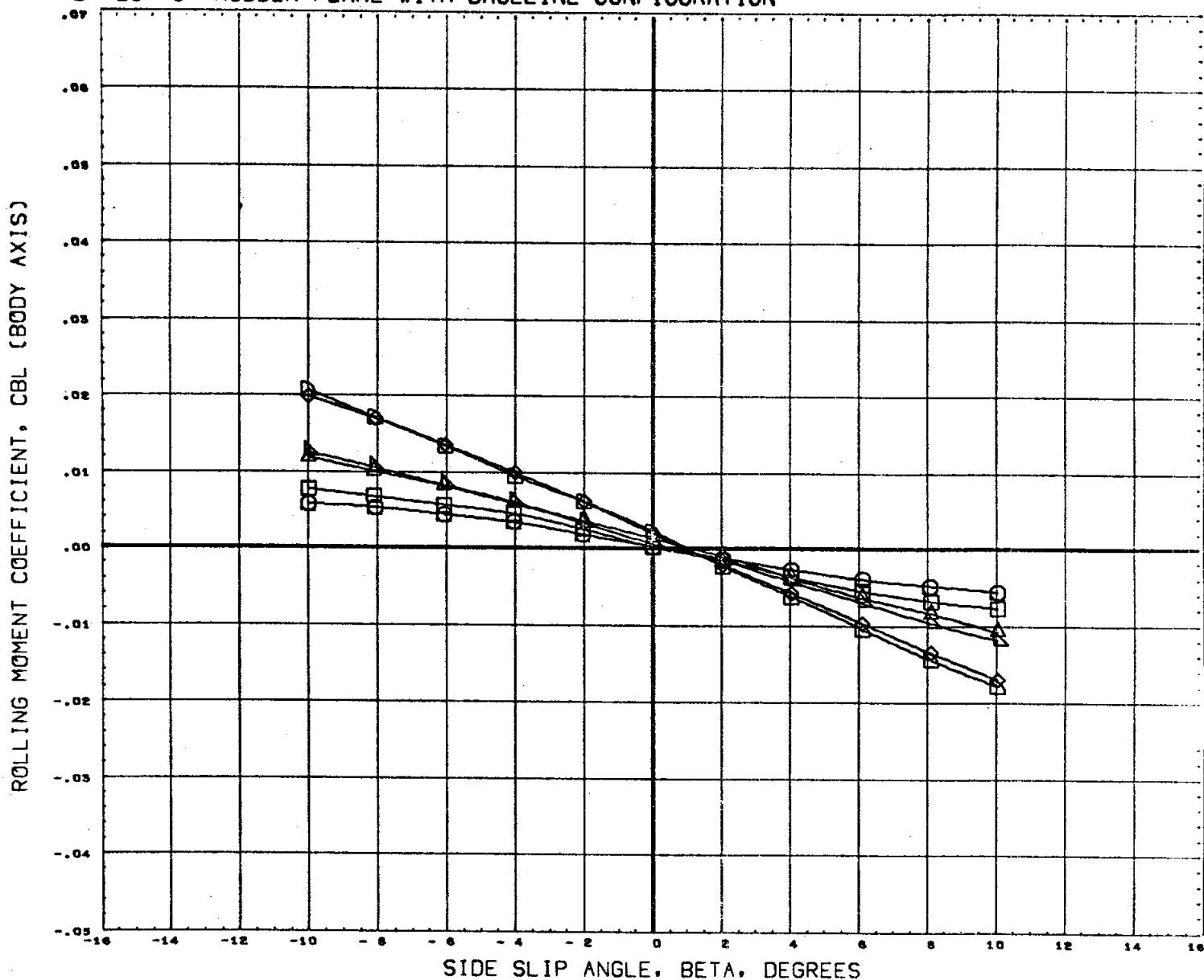


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	RUDFLR	RUDDER	REFERENCE INFORMATION
(A76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	10.000	0.000	10.000	0.000	SREF 7.4190 SQ. IN.
(A76306)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	20.000	0.000	10.000	0.000	LREF 2.1020 IN.
(A76307)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	30.000	0.000	10.000	0.000	BREF 4.0300 IN.
(A76325)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	10.000	0.000	40.000	0.000	XMRF 3.4530 IN.
(A76326)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	20.000	0.000	40.000	0.000	YMRF 0.0000 IN.
(A76327)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	30.000	0.000	40.000	0.000	ZMRF 0.0000 IN.
						SCALE 0.0040

MACH 2.99

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EFFECT OF RUDDER FLARE WITH BASELINE CONFIGURATION



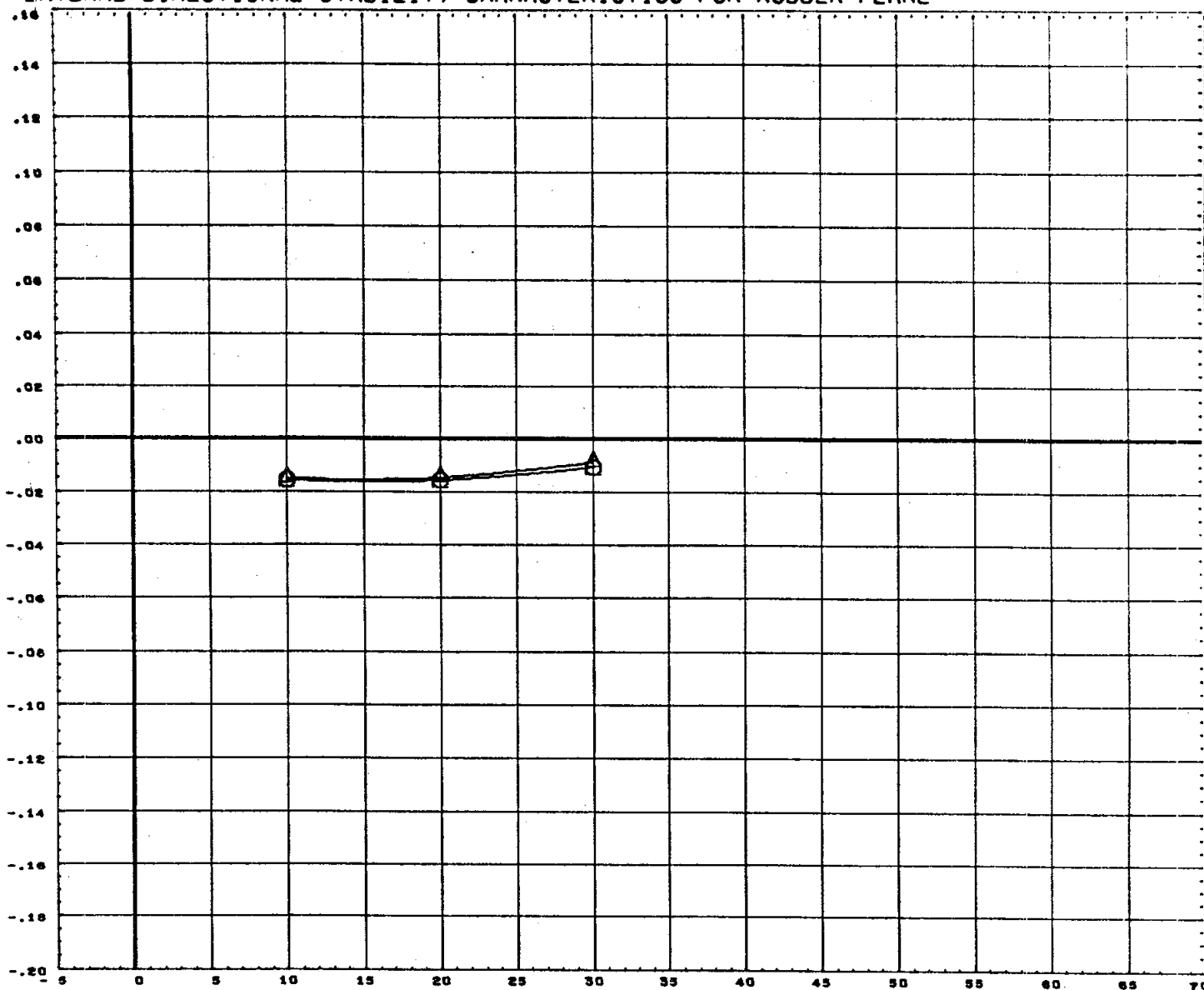
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	RUDDLFR	RUDDER	REFERENCE INFORMATION
(A76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	10.000	0.000	10.000	0.000	SREF 7.4190 30 IN.
(A76306)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	20.000	0.000	10.000	0.000	LREF 2.1020 IN.
(A76307)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	30.000	0.000	10.000	0.000	BREF 4.0300 IN.
(A76325)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	10.000	0.000	40.000	0.000	XMRF 3.4530 IN.
(A76326)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	20.000	0.000	40.000	0.000	YMRF 0.0000 IN.
(A76327)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	30.000	0.000	40.000	0.000	ZMRF 0.0000 IN.
						SCALE 0.0040

MACH 4.96

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LATERAL-DIRECTIONAL STABILITY CHARACTERISTICS FOR RUDDER FLARE

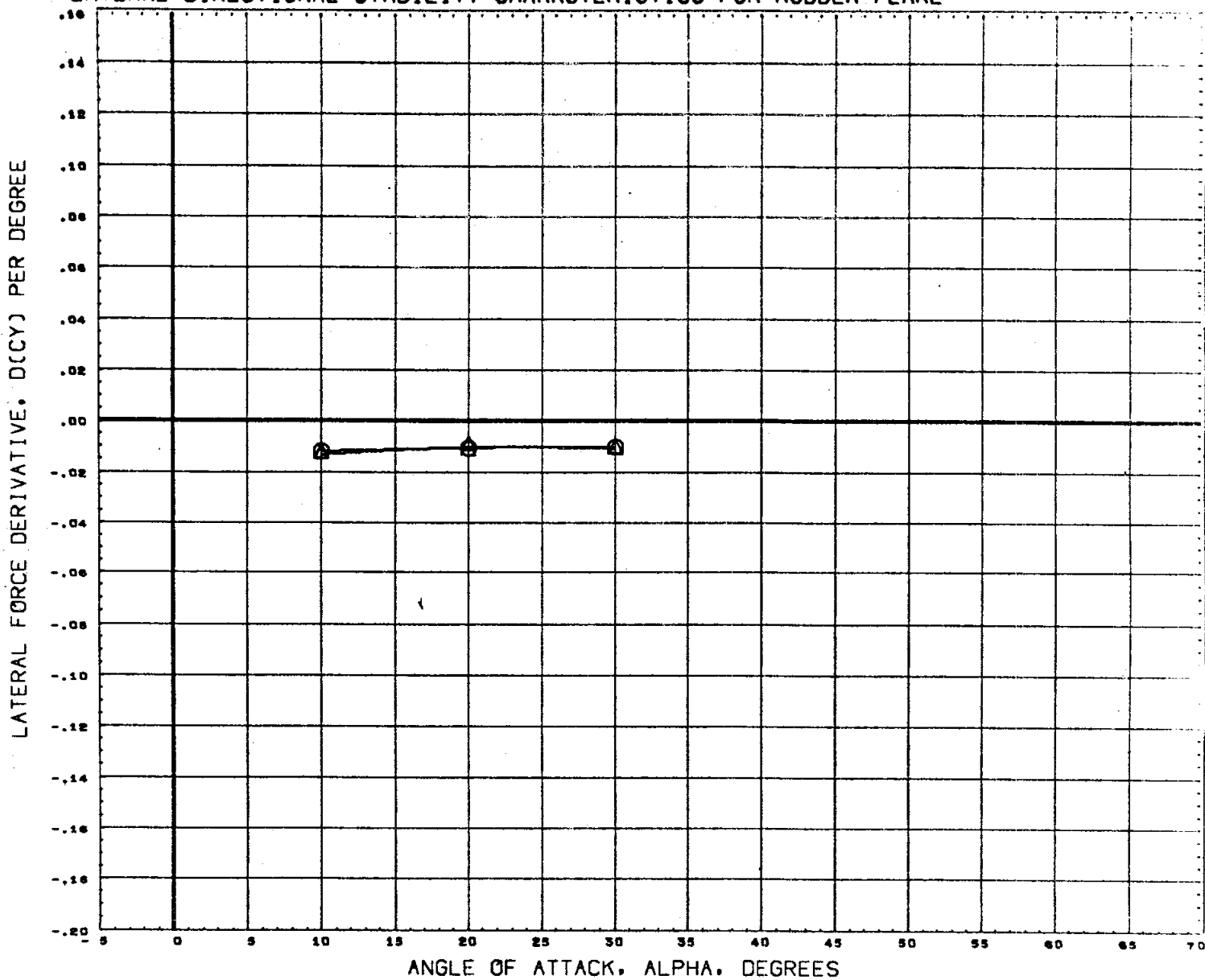
LATERAL FORCE DERIVATIVE, $D(CY)$ PER DEGREE



ANGLE OF ATTACK, ALPHA, DEGREES

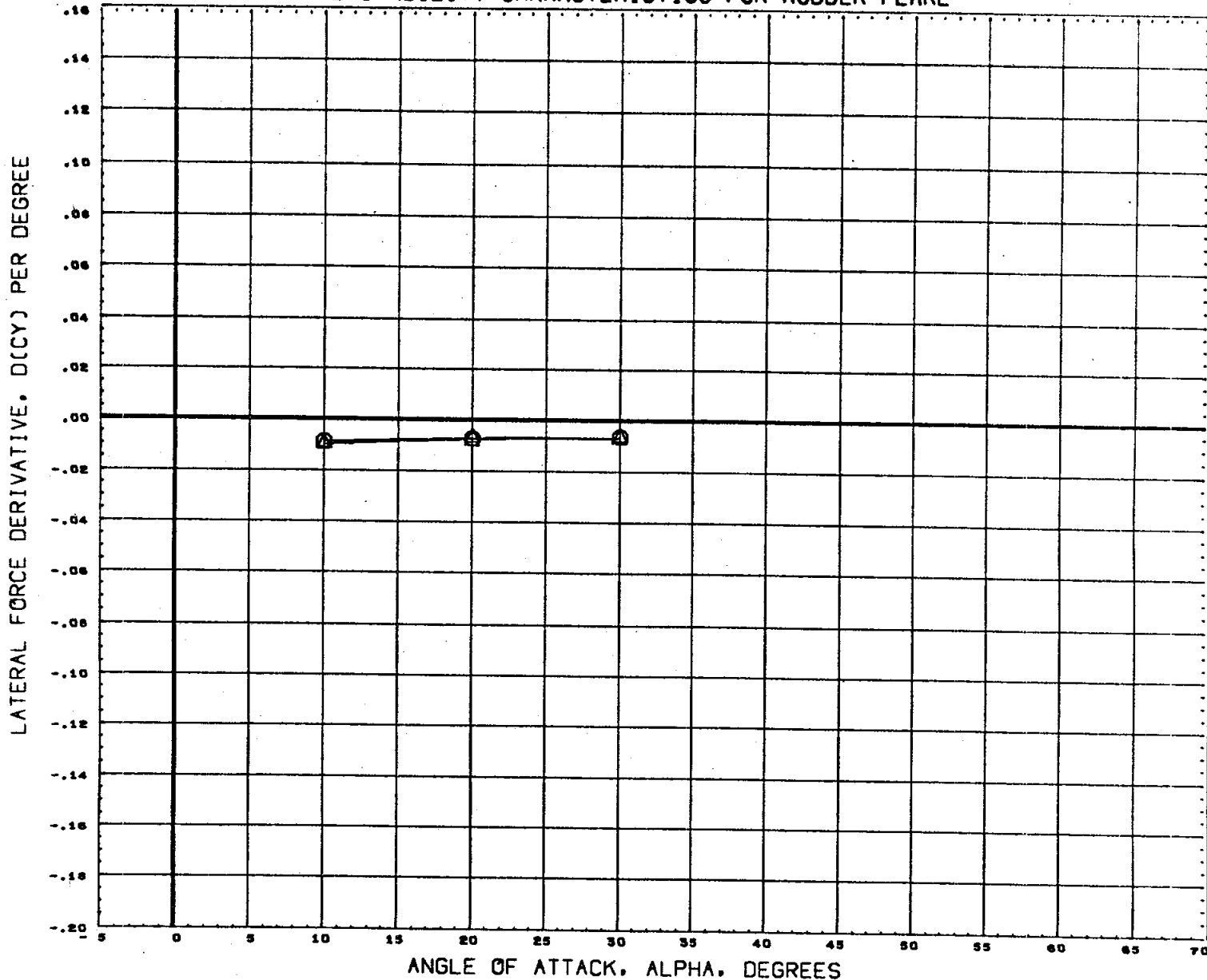
SYMBOL	RUDFLR	PARAMETRIC VALUES				REFERENCE INFORMATION		
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○	10.000	RUDDER	0.000	ELEVTR	0.000	LREF	2.1020	IN.
△	40.000	OBDELV	0.000	IBDELV	0.000	BREF	4.0300	IN.
		AILRON	0.000	OBDAIL	0.000	XMRP	3.4530	IN.
		IBDAIL	0.000			YMRP	0.0000	IN.
						ZMRP	0.0000	IN.
						SCALE	0.0040	
		DATA HIST. CODE I						

LATERAL-DIRECTIONAL STABILITY CHARACTERISTICS FOR RUDDER FLARE



SYMBOL	RUDFLR	PARAMETRIC VALUES				REFERENCE INFORMATION		
Δ ∇	10.000	MACH	2.990	CONFIG	3.000	SREF	7.4190	SQ. IN.
	40.000	RUDDER	0.000	ELEVTR	0.000	LREF	2.1020	IN.
		OBDELV	0.000	IBDELV	0.000	BREF	4.0300	IN.
		AILRON	0.000	OBDAIL	0.000	XMRP	3.4530	IN.
		IBDAIL	0.000			YMRP	0.0000	IN.
		DATA HIST. CODE 1				ZMRP	0.0000	IN.
						SCALE	0.0040	

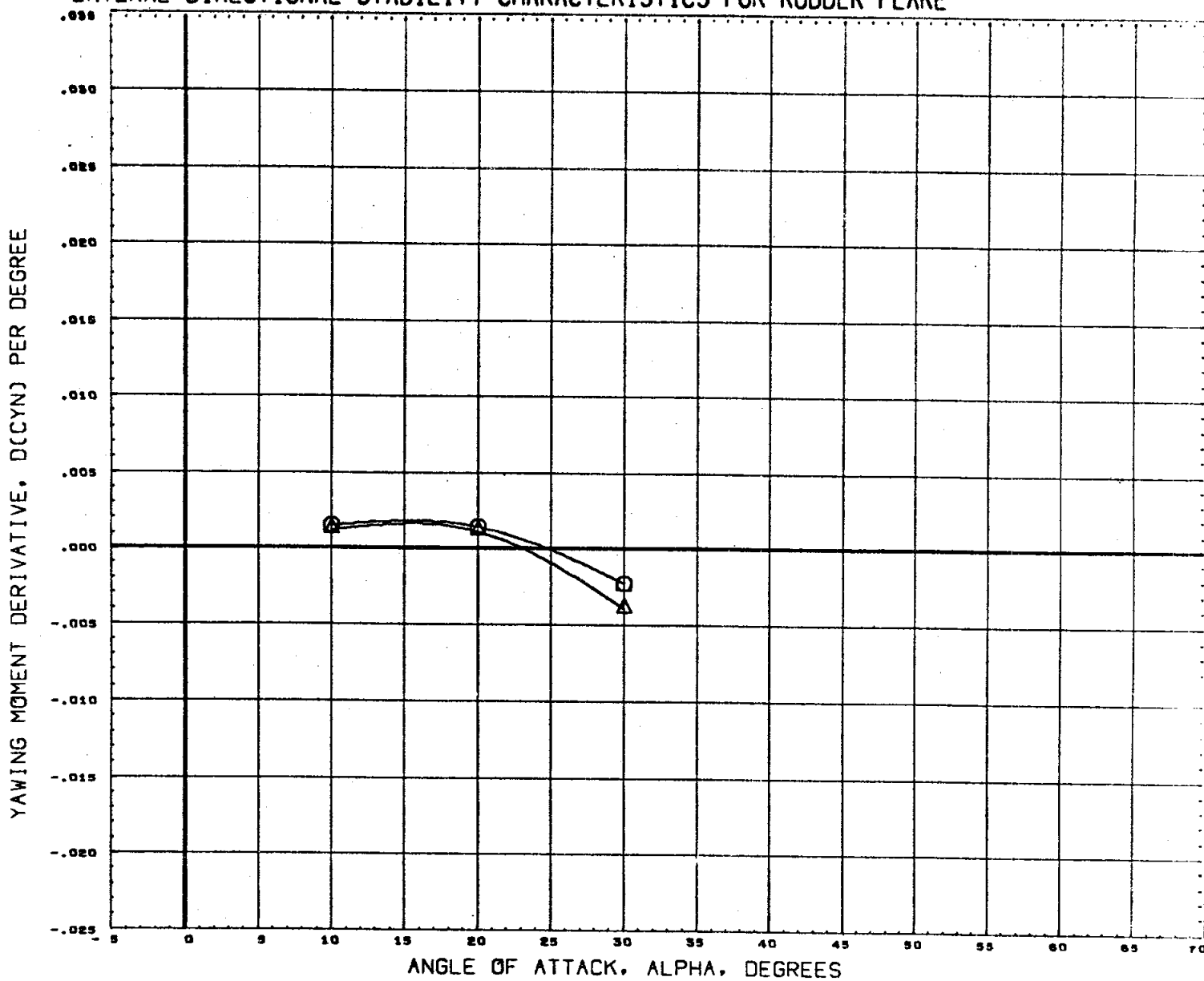
LATERAL-DIRECTIONAL STABILITY CHARACTERISTICS FOR RUDDER FLARE



SYMBOL Δ RUDFLR
 10.000 MACH 4.960 CONFIG 3.000
 40.000 RUDDER 0.000 ELEVTR 0.000
 OBDELV 0.000 IBDELV 0.000
 AILRON 0.000 OBDAIL 0.000
 IBDAIL 0.000
 DATA HIST. CODE 1

REFERENCE INFORMATION
 SREF 7.4190 SQ. IN.
 LREF 2.1020 IN.
 BREF 4.0300 IN.
 XMRP 3.4330 IN.
 YMRP 0.0000 IN.
 ZMRP 0.0000 IN.
 SCALE 0.0040

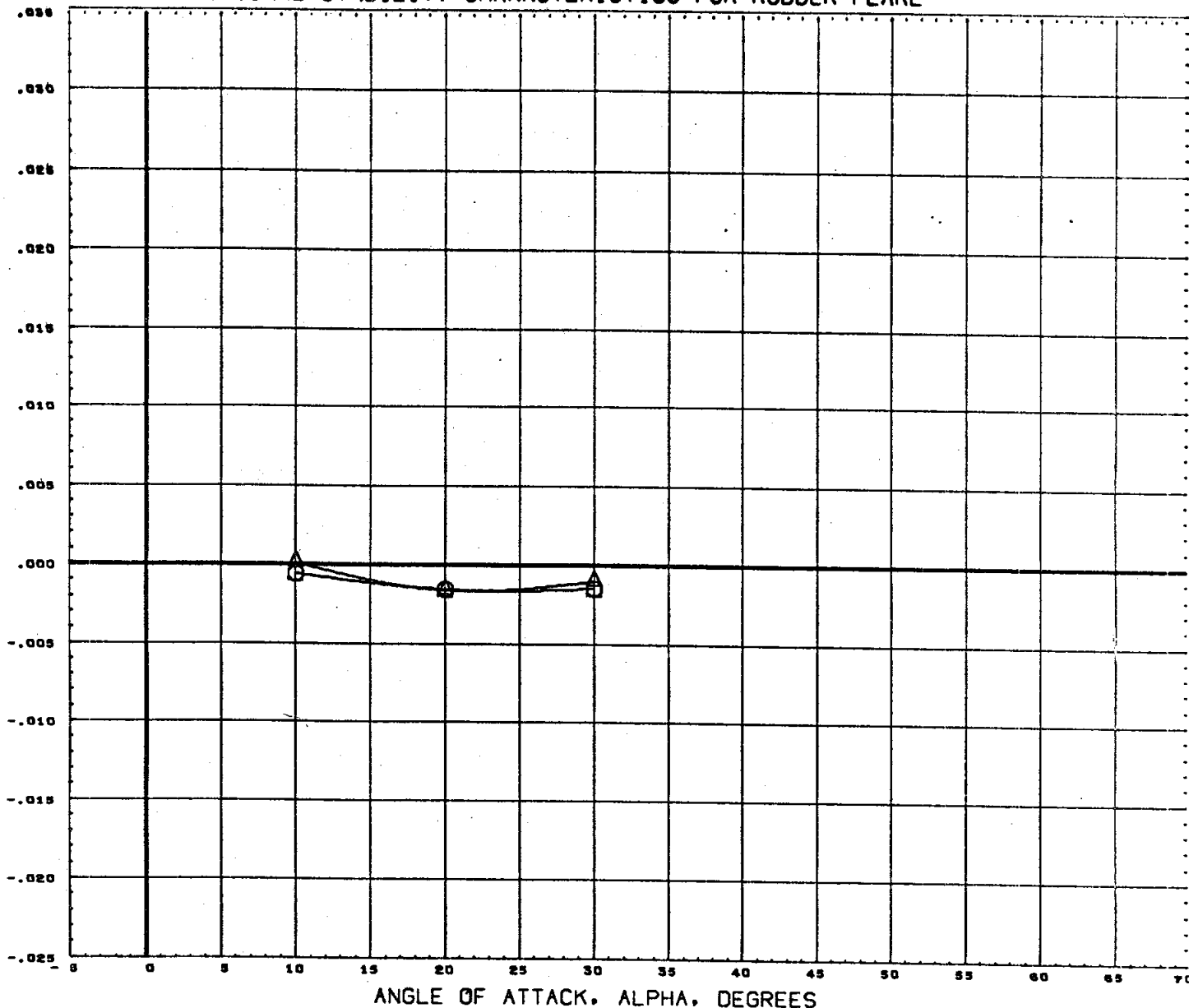
LATERAL-DIRECTIONAL STABILITY CHARACTERISTICS FOR RUDDER FLARE



SYMBOL		PARAMETRIC VALUES				REFERENCE INFORMATION	
O Δ	RUDFLR	MACH	0.000	CONFIG	3.000	SREF	7.4190 SQ. IN.
	10.000	RUDDER	0.000	ELEVTR	0.000	LREF	2.1020 IN.
	40.000	OSDELV	0.000	ISDELV	0.000	BREF	4.0300 IN.
		AILRON	0.000	OSDAIL	0.000	XMRP	3.4530 IN.
		ISDAIL	0.000			YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040
		DATA HIST. CODE	1				

LATERAL-DIRECTIONAL STABILITY CHARACTERISTICS FOR RUDDER FLARE

YAWING MOMENT DERIVATIVE, D(CYN) PER DEGREE



SYMBOL Δ RUDFLR 10.000 40.000

PARAMETRIC VALUES

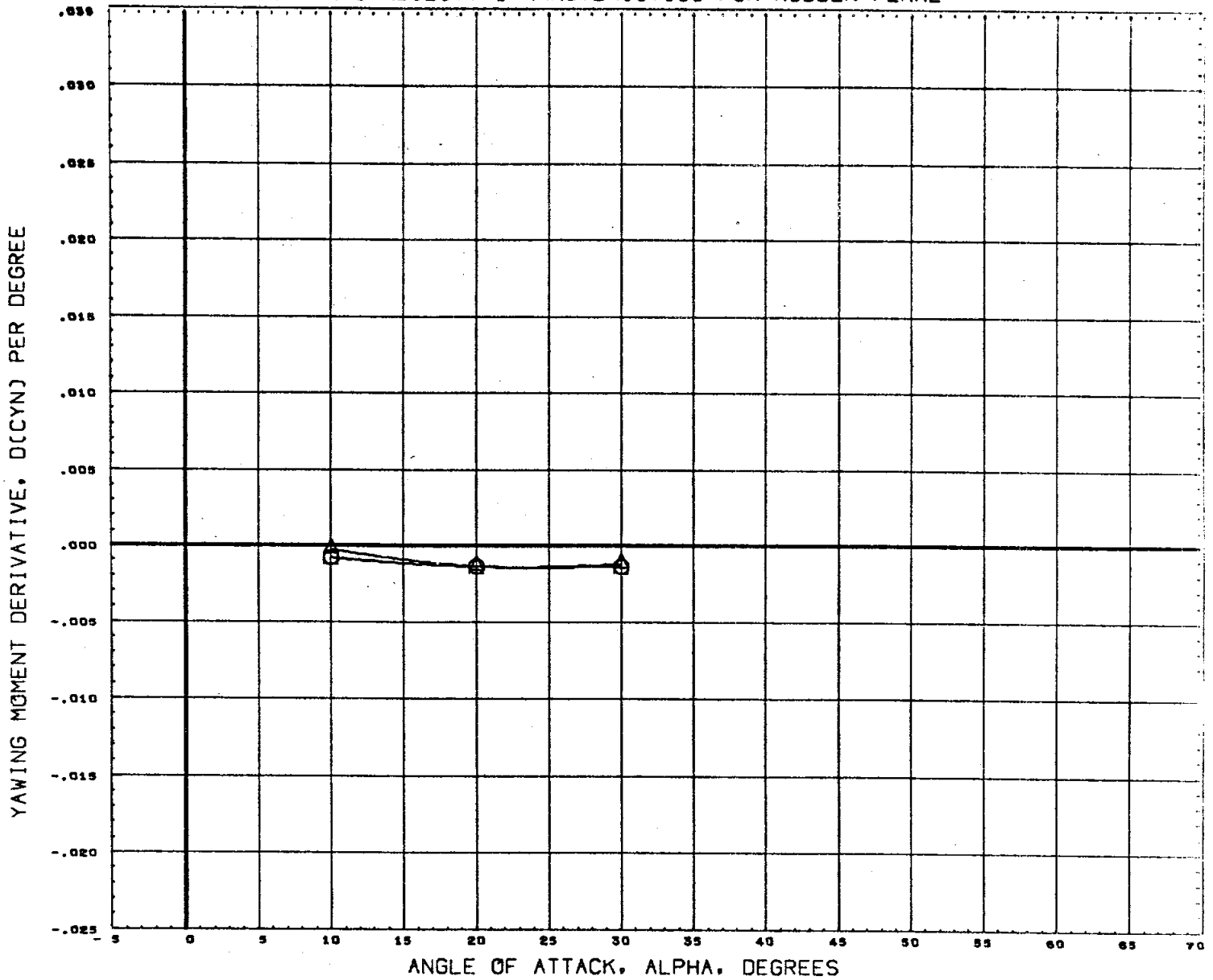
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MACH	2.990	CONFIG	3.000
RUDDER	0.000	ELEVTR	0.000
OBDELV	0.000	IBDELV	0.000
AILRON	0.000	OBDAIL	0.000
IBDAIL	0.000		

DATA HIST. CODE 1

REFERENCE INFORMATION

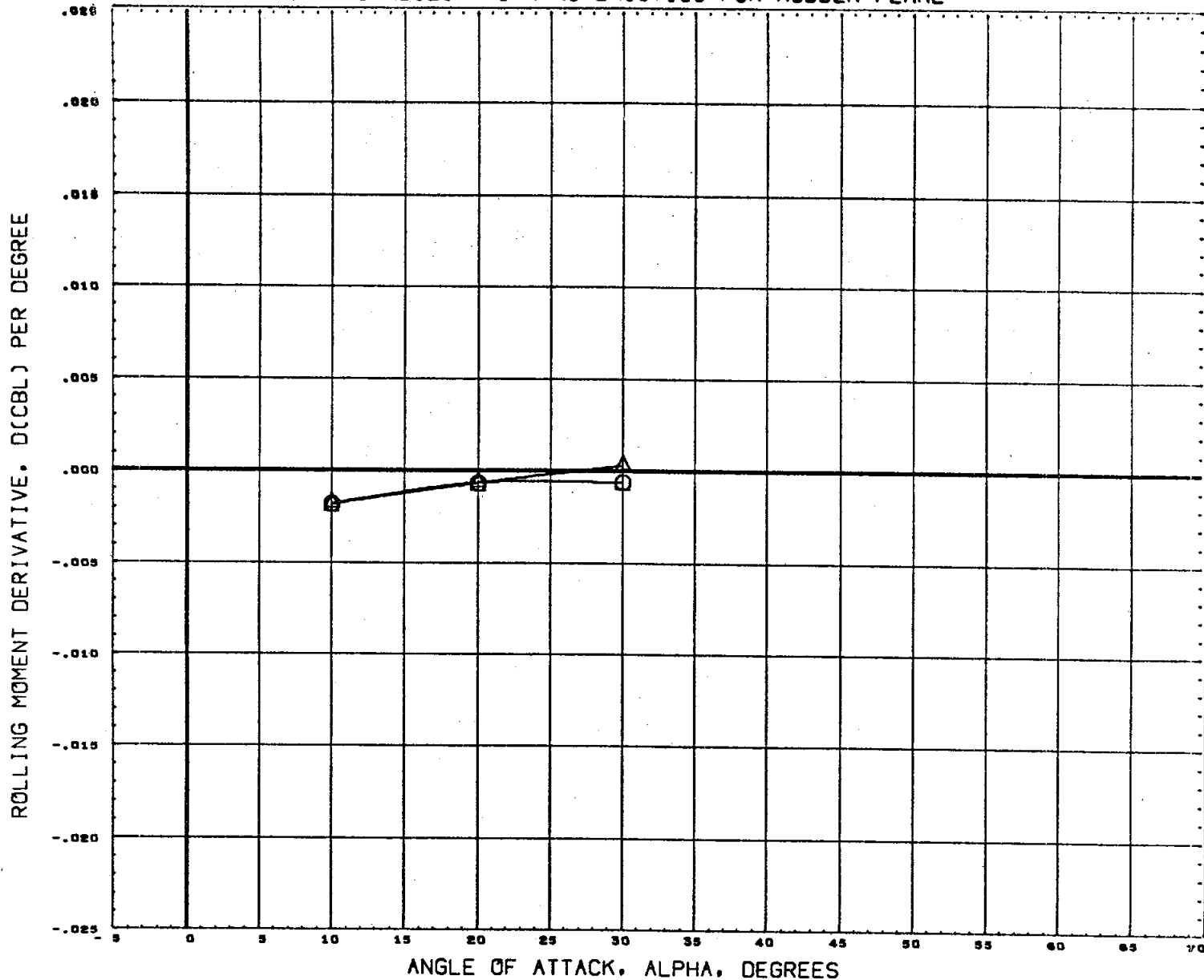
PARAMETER	VALUE	UNIT
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LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

LATERAL-DIRECTIONAL STABILITY CHARACTERISTICS FOR RUDDER FLARE



SYMBOL	RUDFLR	PARAMETRIC VALUES				REFERENCE INFORMATION		
O Δ	10.000	MACH	4.960	CONFIG	3.000	SREF	7.4190	SQ.IN.
	40.000	RUDDER	0.000	ELEVTR	0.000	LREF	2.1020	IN.
		OSDELV	0.000	IBDELV	0.000	SREF	4.0300	IN.
		AILRON	0.000	OSDAIL	0.000	XMRP	3.4530	IN.
		IBDAIL	0.000			YMRP	0.0000	IN.
						ZMRP	0.0000	IN.
						SCALE	0.0040	
		DATA HIST. CODE	1					

LATERAL-DIRECTIONAL STABILITY CHARACTERISTICS FOR RUDDER FLARE

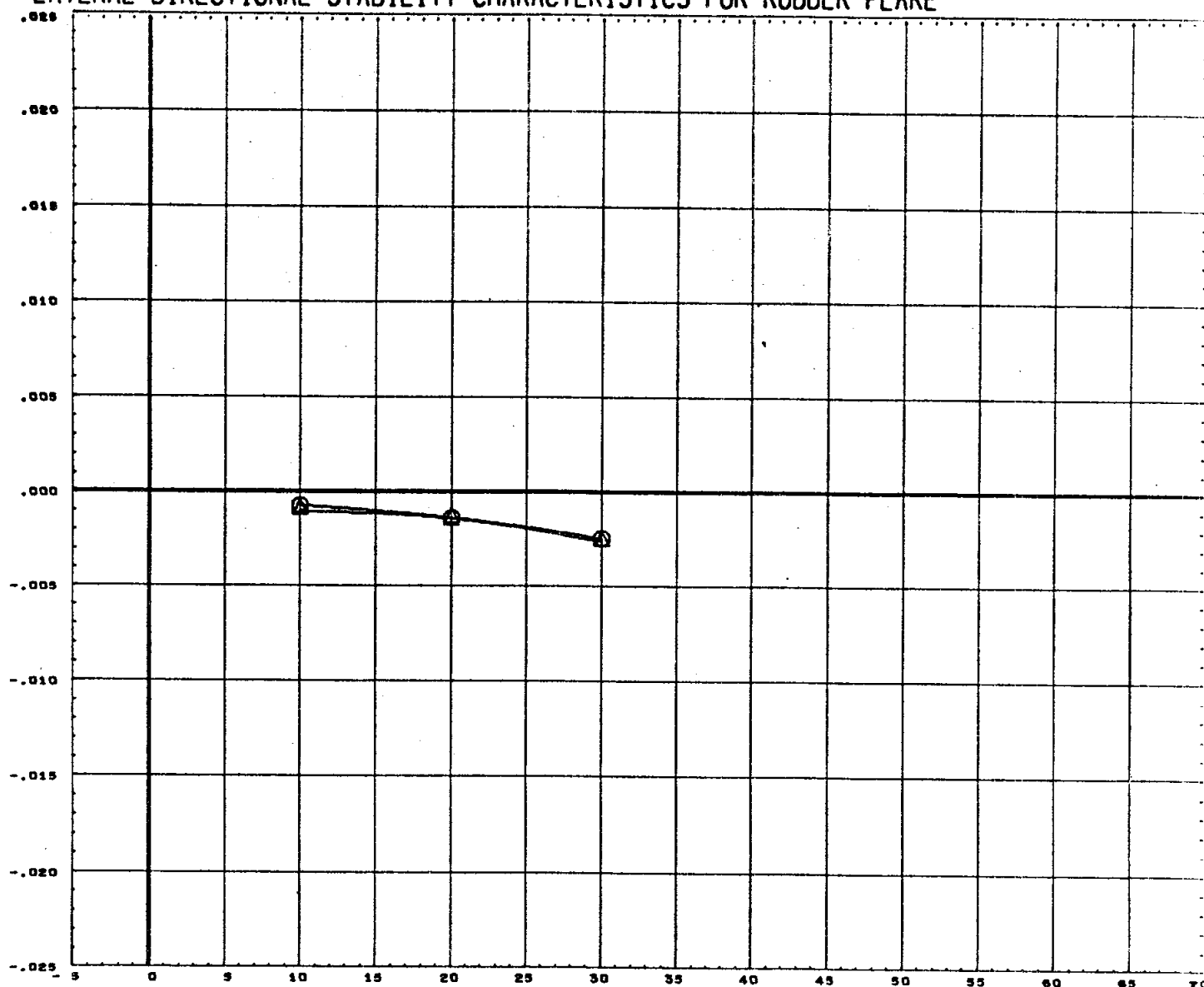


SYMBOL Δ RUDFLR
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 40.000 RUDDER 0.000 ELEVTR 0.000
 OBDLV 0.000 IBDELV 0.000
 AILRON 0.000 OBDAIL 0.000
 IBDAIL 0.000
 DATA HIST. CODE 1

REFERENCE INFORMATION
 SREF 7.4190 SQ. IN.
 LREF 2.1020 IN.
 BREF 4.0300 IN.
 XMRP 3.4330 IN.
 YMRP 0.0000 IN.
 ZMRP 0.0000 IN.
 SCALE 0.0040

LATERAL-DIRECTIONAL STABILITY CHARACTERISTICS FOR RUDDER FLARE

ROLLING MOMENT DERIVATIVE, ΔC_{BL} PER DEGREE

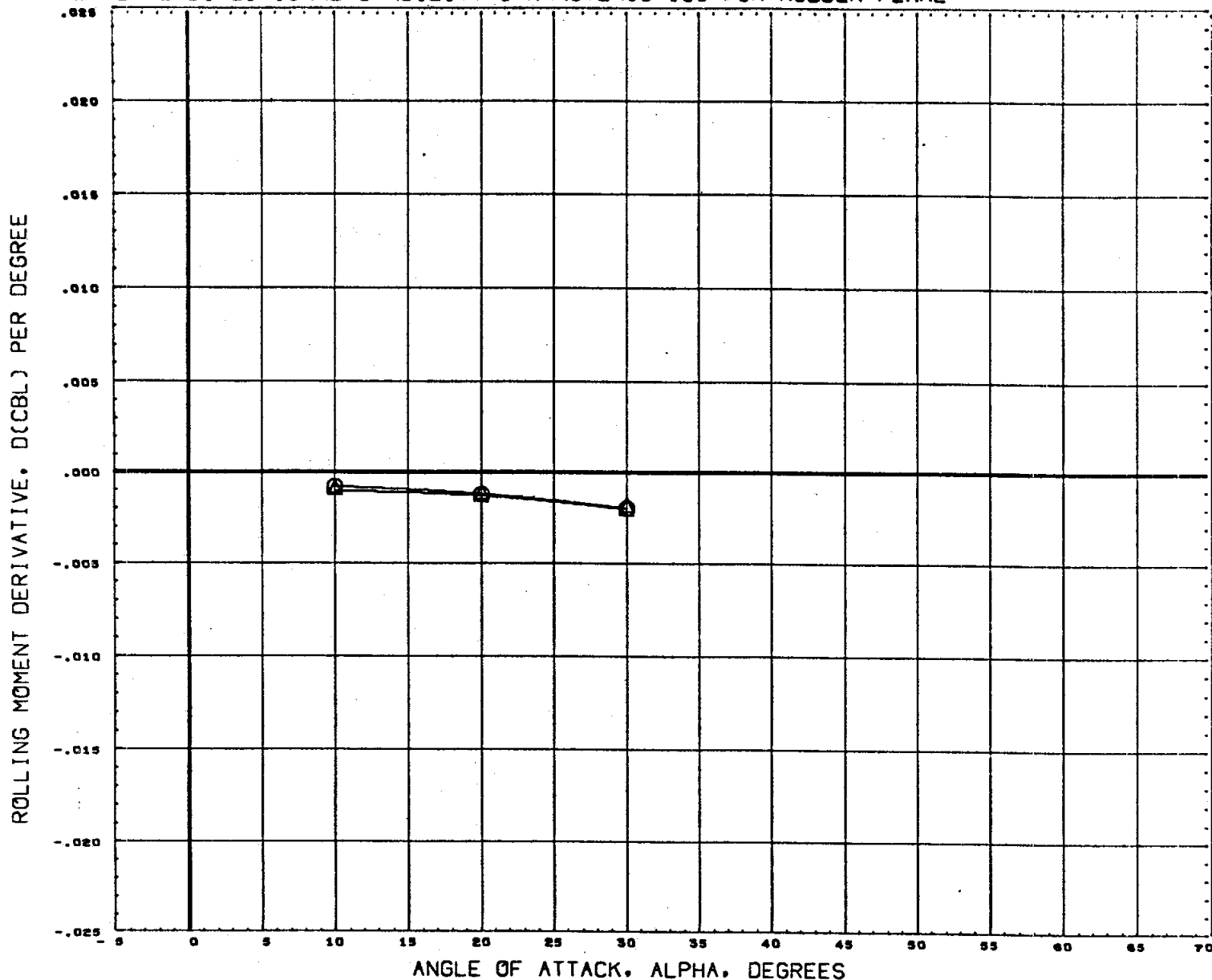


ANGLE OF ATTACK, ALPHA, DEGREES

SYMBOL	RUDFLR	PARAMETRIC VALUES			
○	10.000	MACH	2.990	CONFIG	3.000
△	40.000	RUDDER	0.000	ELEVTR	0.000
		OBDELV	0.000	IBDELV	0.000
		AILRON	0.000	OBDAIL	0.000
		IBDAIL	0.000		
		DATA HIST. CODE 1			

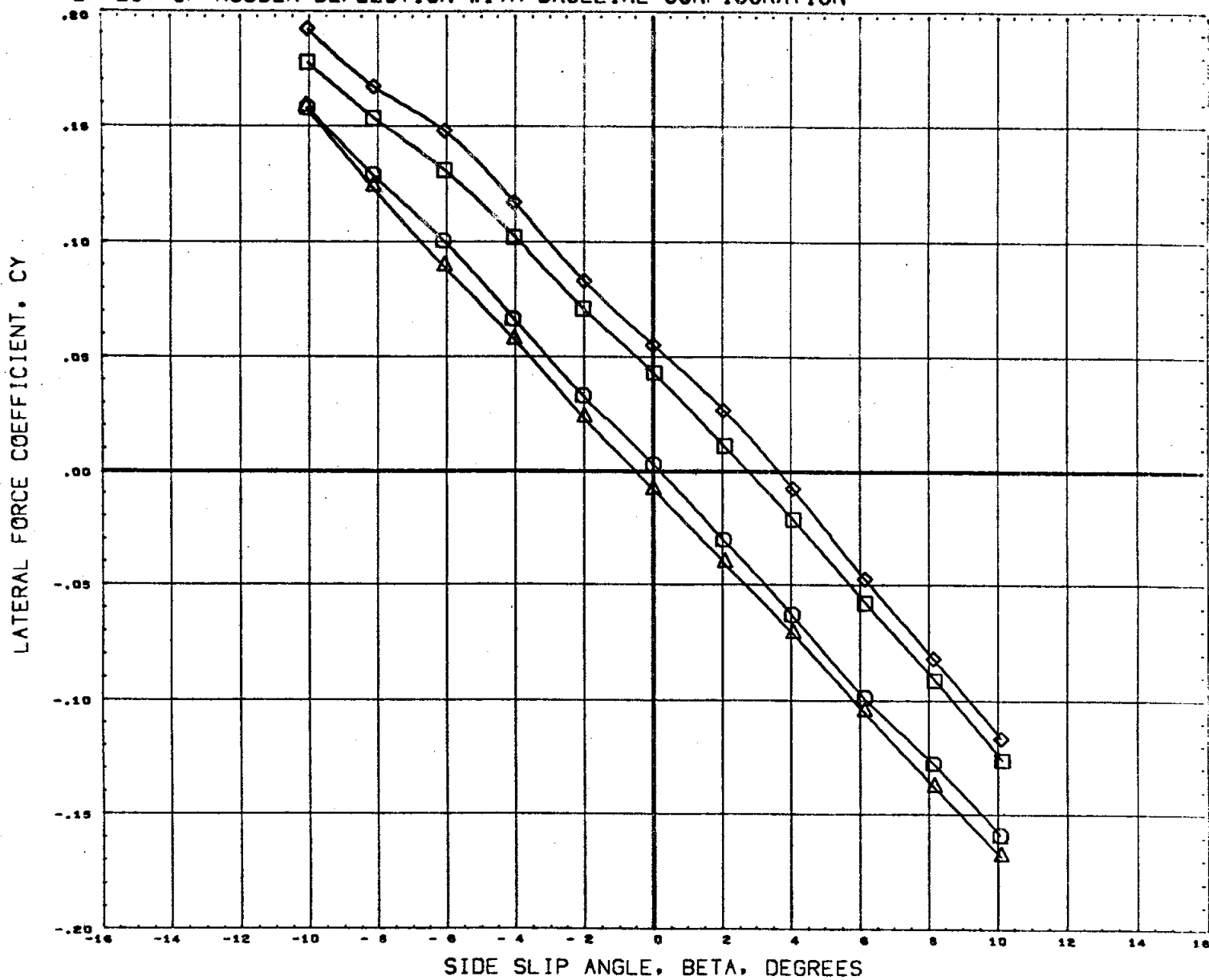
REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

LATERAL-DIRECTIONAL STABILITY CHARACTERISTICS FOR RUDDER FLARE



SYMBOL		PARAMETRIC VALUES				REFERENCE INFORMATION			
	RUDFLR	10.000	<u>MACH</u>	4.960	CONFIG	3.000	SREF	7.4190	SQ. IN.
		40.000	RUDDER	0.000	ELEVTR	0.000	LREF	2.1020	IN.
			OSDELV	0.000	IBDELV	0.000	BREF	4.0300	IN.
			AILRON	0.000	OSDAIL	0.000	XMRP	3.4530	IN.
			IBDAIL	0.000			YMRP	0.0000	IN.
							ZMRP	0.0000	IN.
							SCALE	0.0040	
			DATA HIST. CODE I						

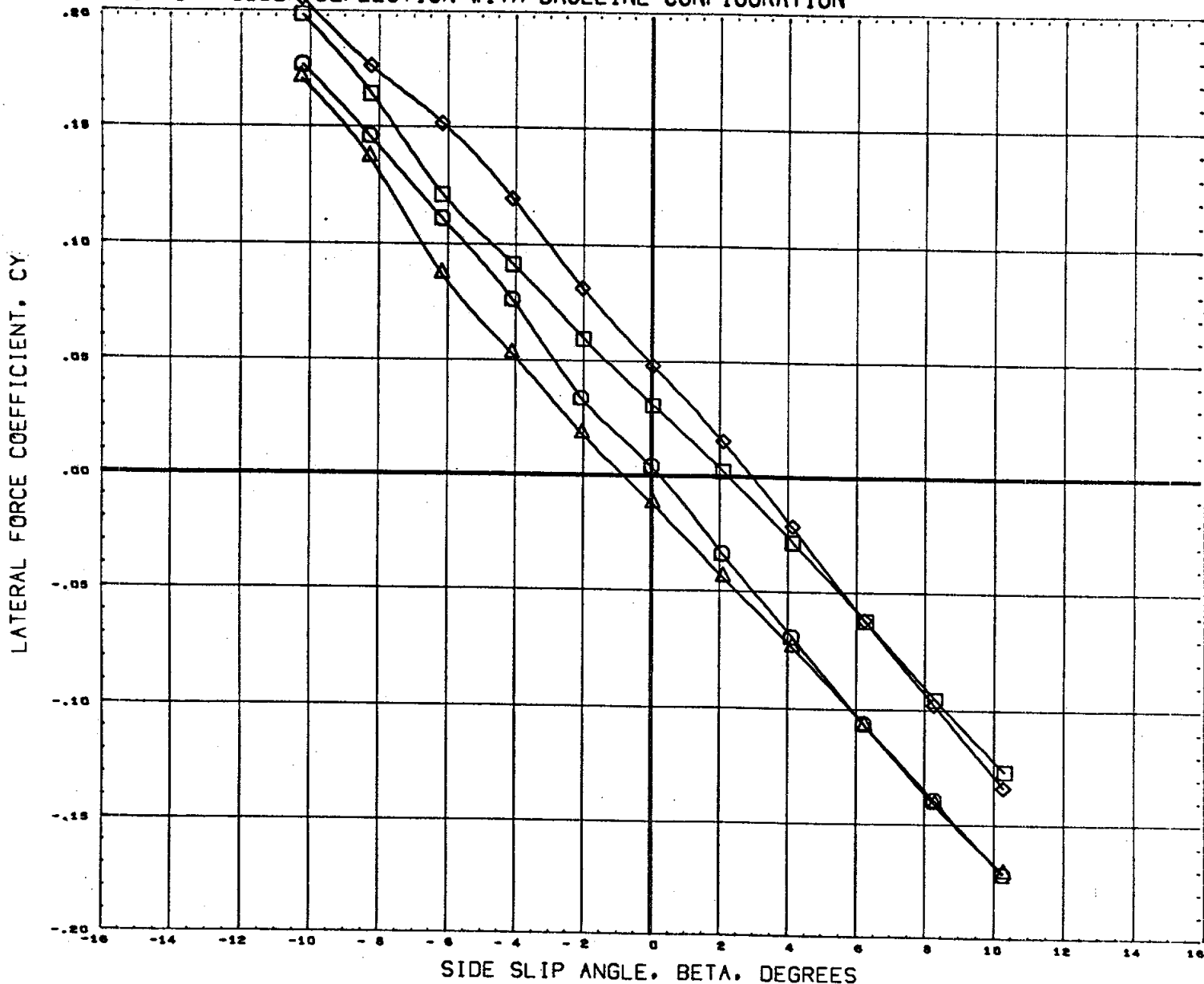
EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	RUDDFLR	RUDDER	REFERENCE INFORMATION	
(A76304)	M555 (FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(A76305)	M555 (FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	10.000	0.000	10.000	0.000	LREF	2.1020 IN.
(A76330)	M555 (FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	15.000	BREF	4.0300 IN.
(A76331)	M555 (FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	10.000	0.000	10.000	15.000	XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH .60

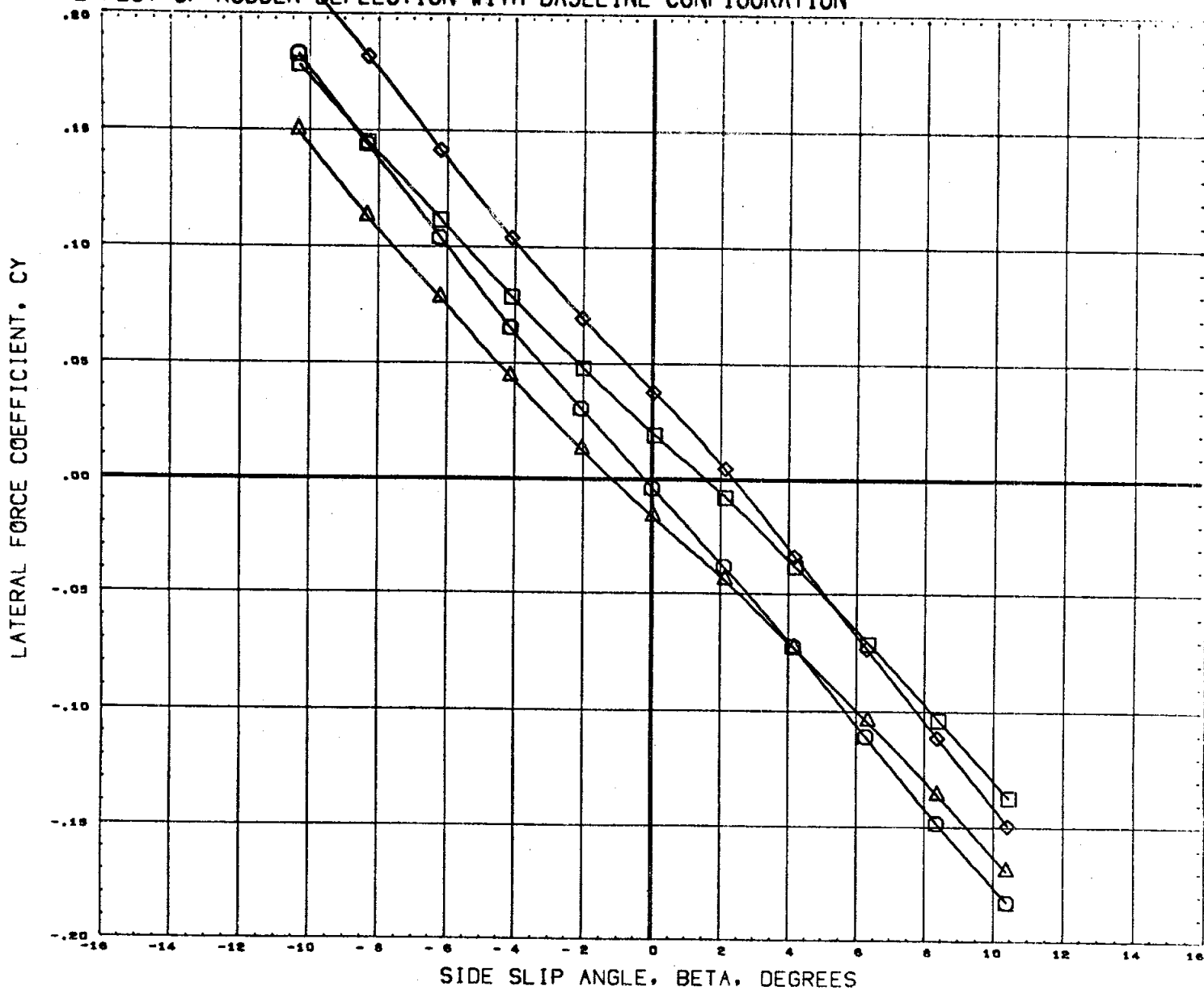
EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	RUDFLR	RUDDER	REFERENCE INFORMATION		
(A76304)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190	50. IN.
(A76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	10.000	0.000	10.000	0.000	LREF	2.1020	IN.
(A76330)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	15.000	BREF	4.0300	IN.
(A76331)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	10.000	0.000	10.000	15.000	XMRP	3.4930	IN.
						YMRP	0.0000	IN.
						ZMRP	0.0000	IN.
						SCALE	0.0040	

MACH .91

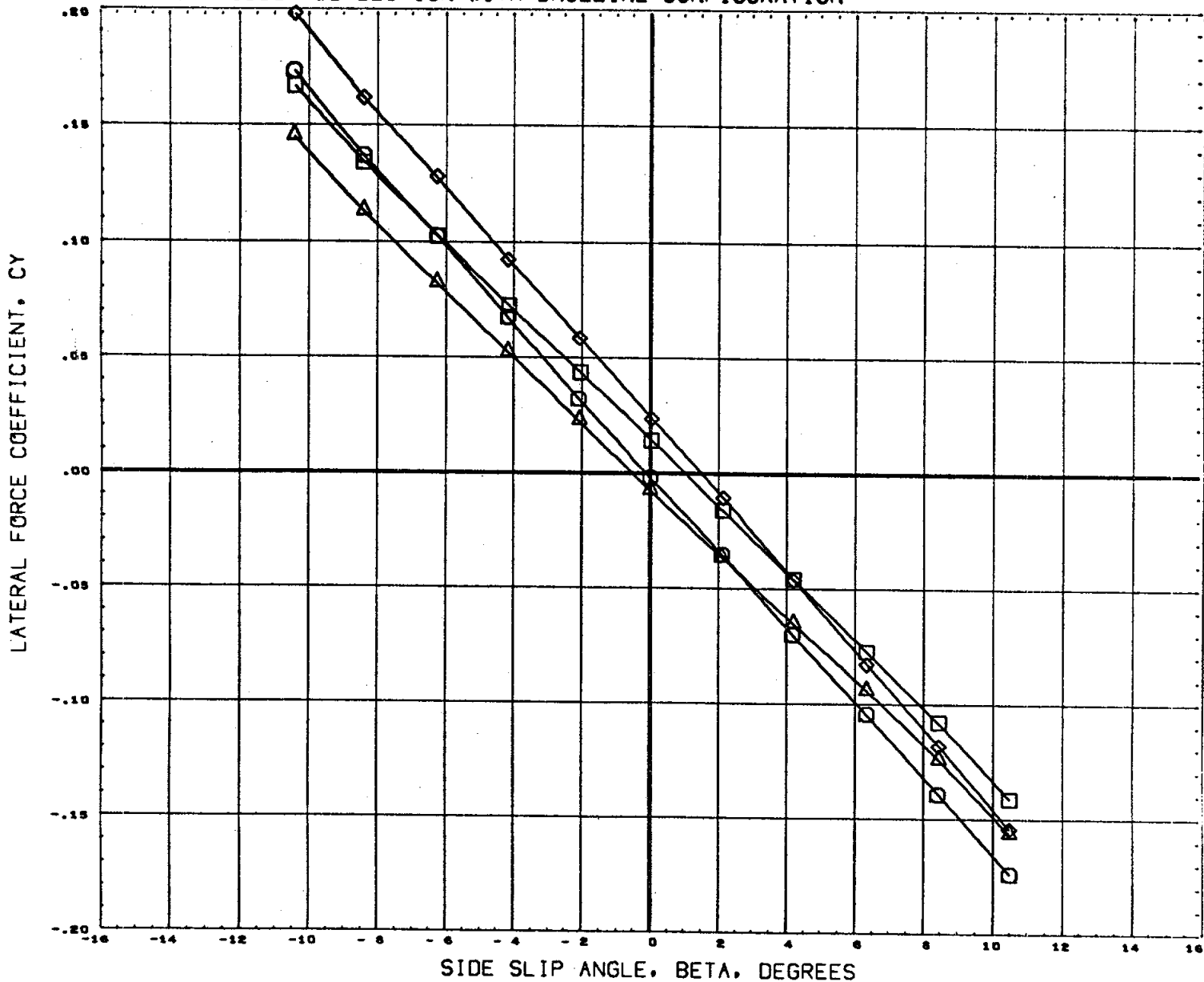
EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	RUDFLR	RUDDER	REFERENCE INFORMATION
(A76304)	M555 (FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF 7.4190 30.1N
(A76305)	M555 (FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	10.000	0.000	10.000	0.000	LREF 2.1020 1N.
(A76330)	M555 (FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	15.000	BREF 4.0300 1N.
(A76331)	M555 (FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	10.000	0.000	10.000	15.000	XMRP 3.4530 1N.
						YMRP 0.0000 1N.
						ZMRP 0.0000 1N.
						SCALE 0.0040

MACH 1.20

EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION

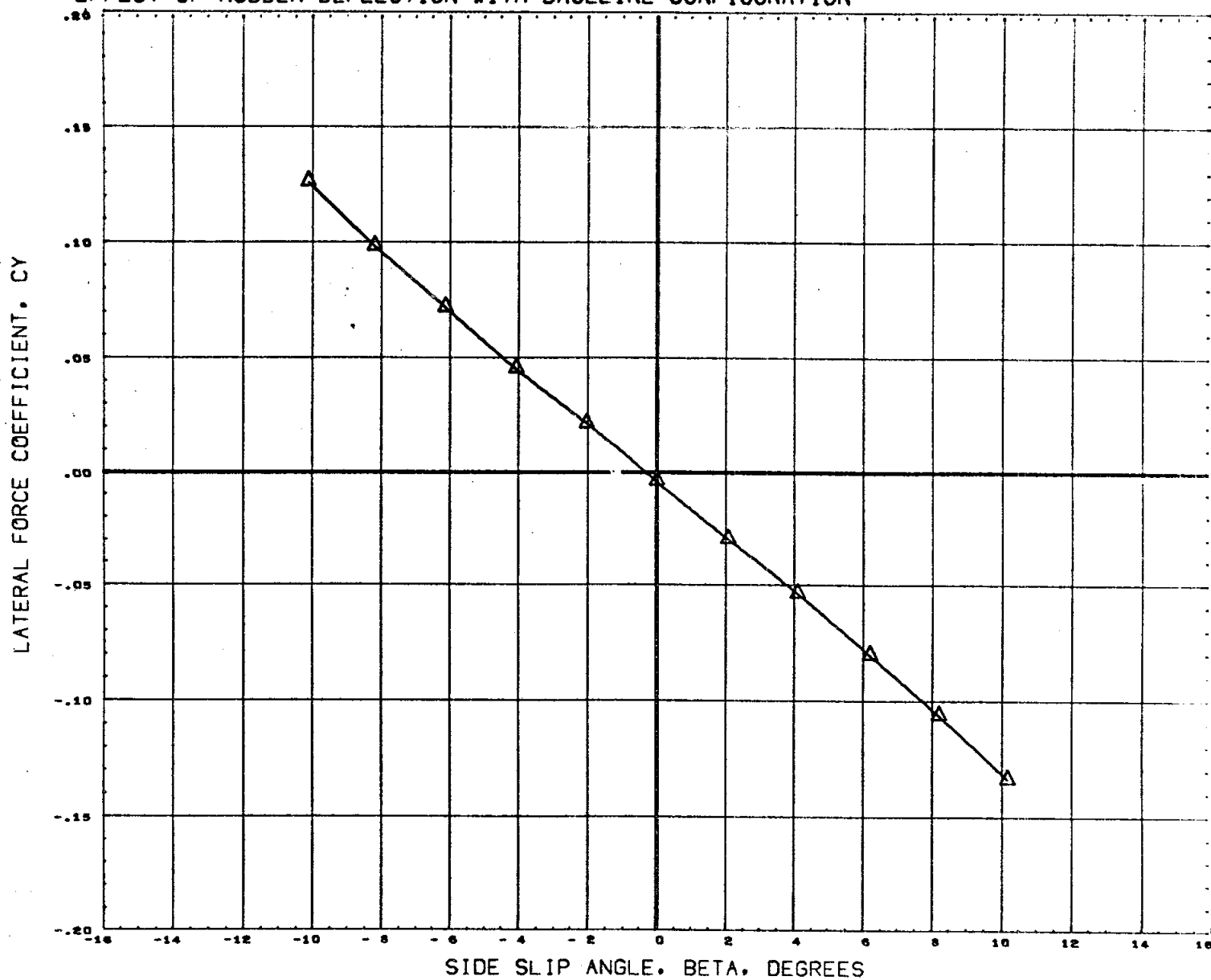


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	RUDFLR	RUDDER	REFERENCE INFORMATION	
(A76304)	M555 (FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(A76305)	M555 (FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	10.000	0.000	10.000	0.000	LREF	2.1020 IN.
(A76330)	M555 (FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	15.000	BREF	4.0300 IN.
(A76331)	M555 (FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	10.000	0.000	10.000	15.000	XMRF	3.4530 IN.
						YMRF	0.0000 IN.
						ZMRF	0.0000 IN.
						SCALE	0.0040

MACH 1.96

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EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION



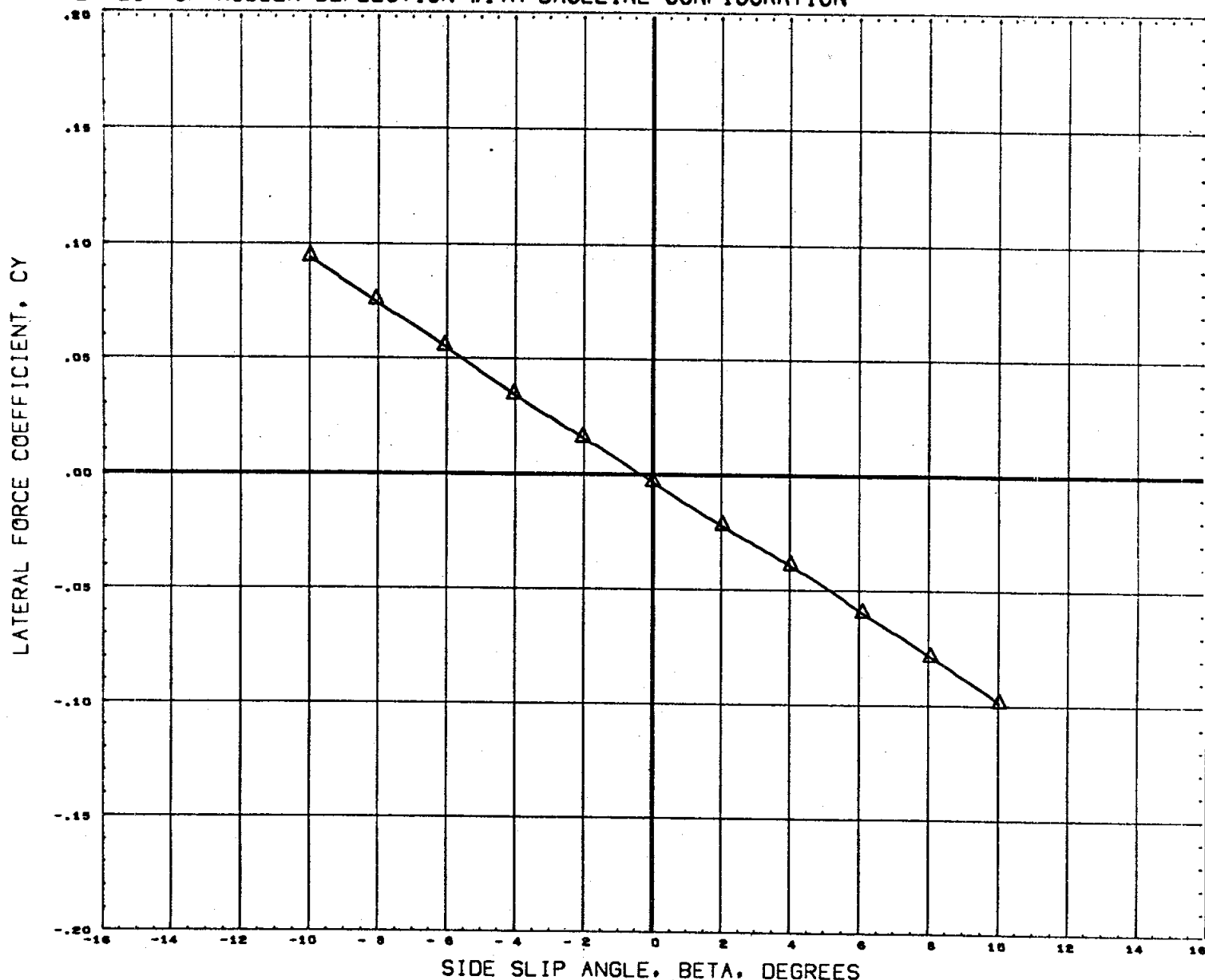
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	RUDFLR	RUDDER	REFERENCE INFORMATION		
(A76304)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	10.000	0.000	SREF	7.4190	sq. in.
(A76305)	M555 (FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	10.000	0.000	10.000	0.000	LREF	2.1020	in.
(A76330)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	10.000	15.000	BREF	4.0300	in.
(A76331)	DATA NOT AVAILABLE FOR ALL CONDITIONS	10.000	0.000	10.000	15.000	XMRP	3.4530	in.
						YMRP	0.0000	in.
						ZMRP	0.0000	in.
						SCALE	0.0040	

MACH

2.99

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EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION

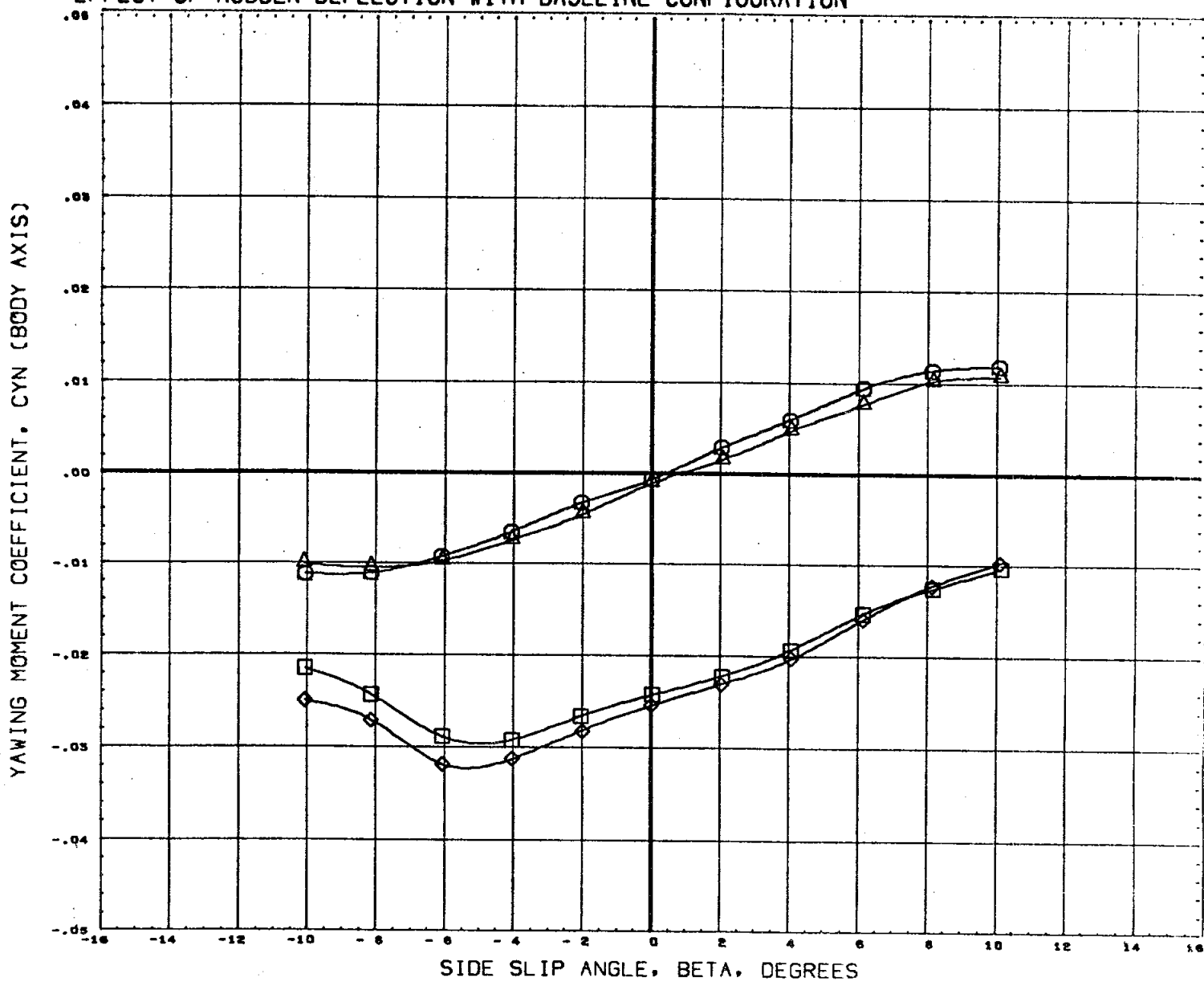


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	RUDDFLR	RUDDER	REFERENCE INFORMATION	
(A76304)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(A76305)	M555 (FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	10.000	0.000	10.000	0.000	LREF	2.1020 IN.
(A76330)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	10.000	15.000	BREF	4.0300 IN.
(A76331)	DATA NOT AVAILABLE FOR ALL CONDITIONS	10.000	0.000	10.000	15.000	XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 4.96

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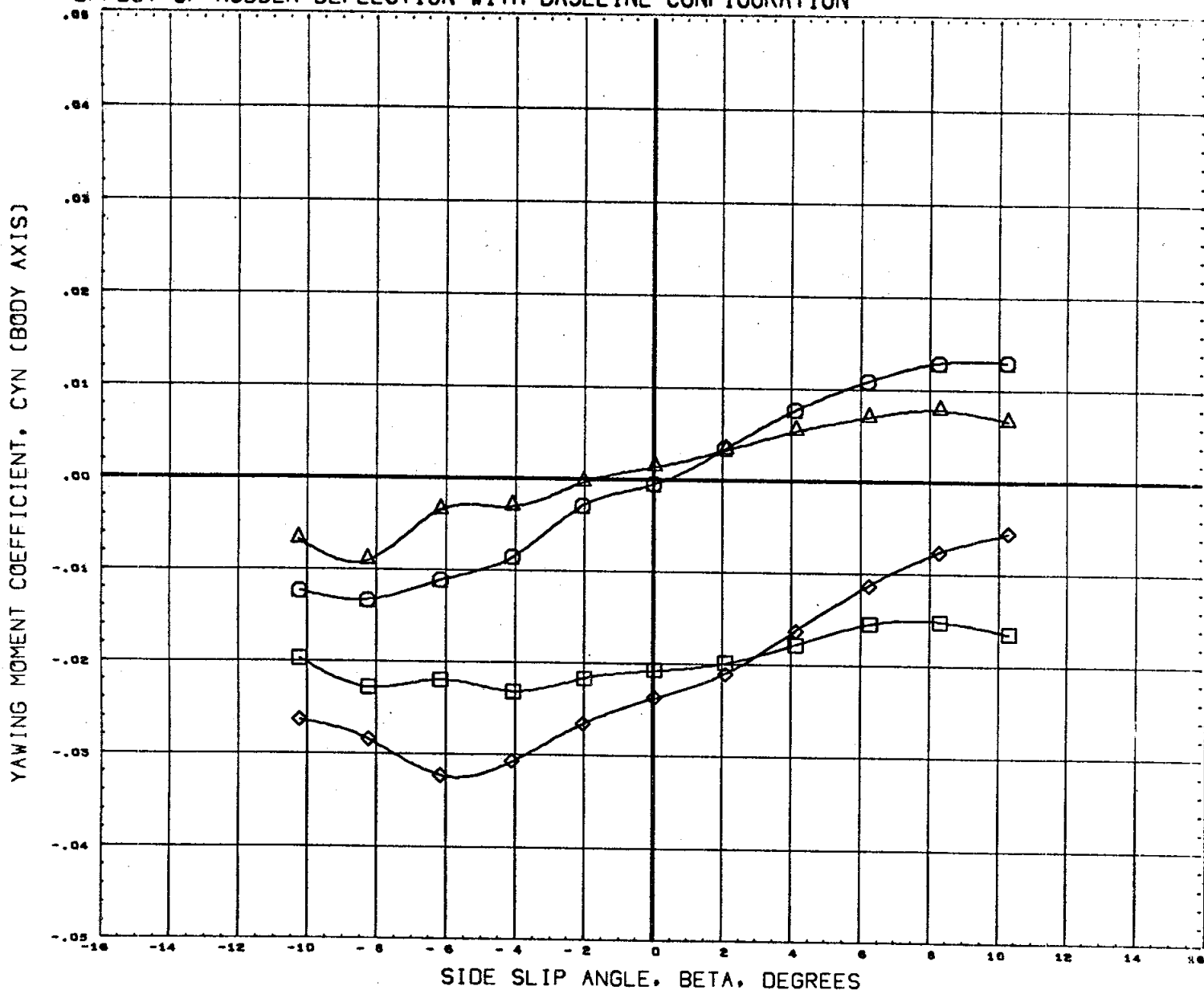
EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	RUDDFLR	RUDDER	REFERENCE INFORMATION	
(A76304)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(A76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	10.000	0.000	10.000	0.000	LREF	2.1020 IN.
(A76330)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	15.000	BREF	4.0300 IN.
(A76331)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	10.000	0.000	10.000	15.000	XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH .60

EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION



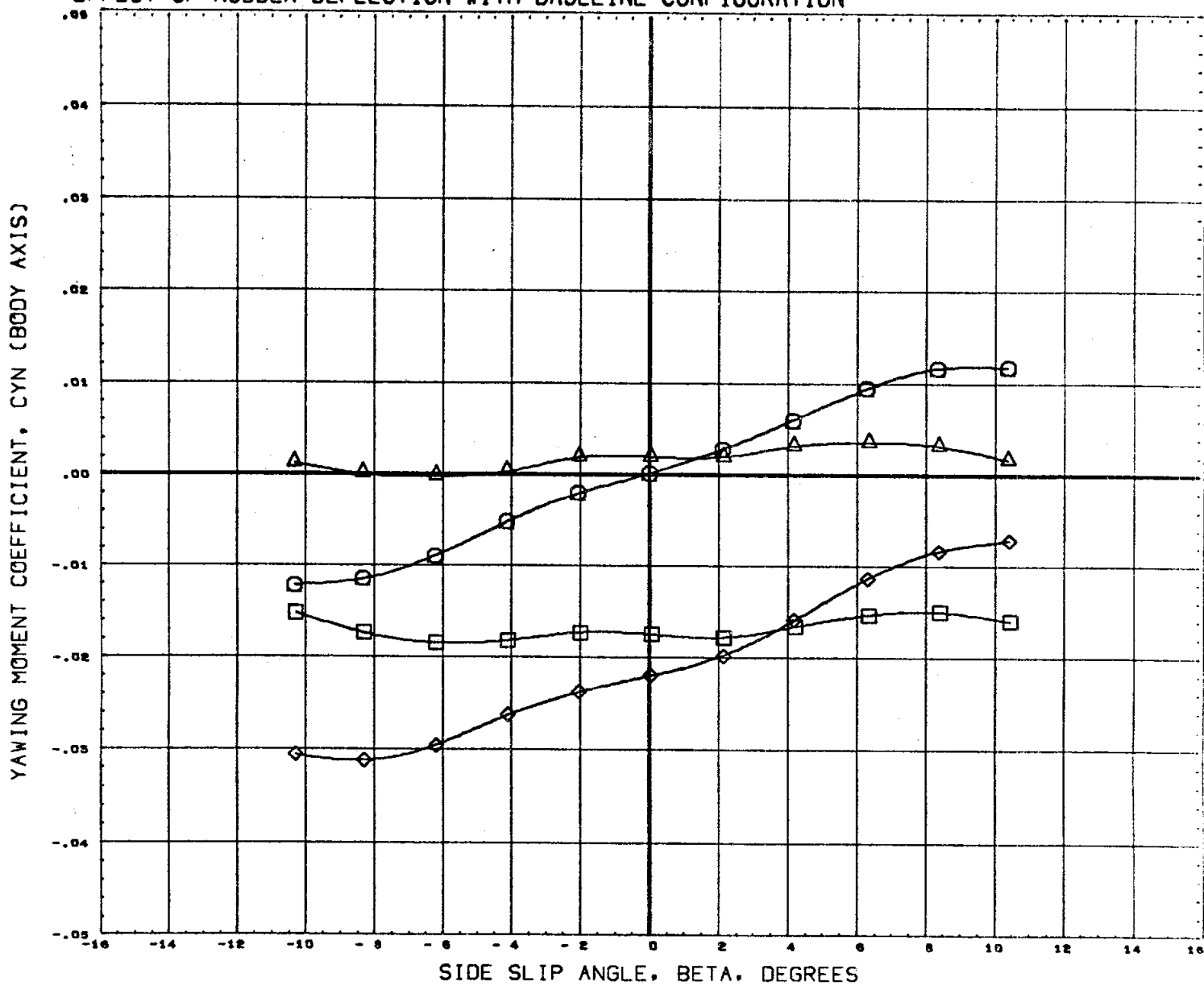
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(A76304)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(A76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	10.000	0.000	10.000	0.000	LREF	2.1020 IN.
(A76330)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	15.000	SREF	4.0300 IN.
(A76331)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	10.000	0.000	10.000	15.000	XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH

.91

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EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION



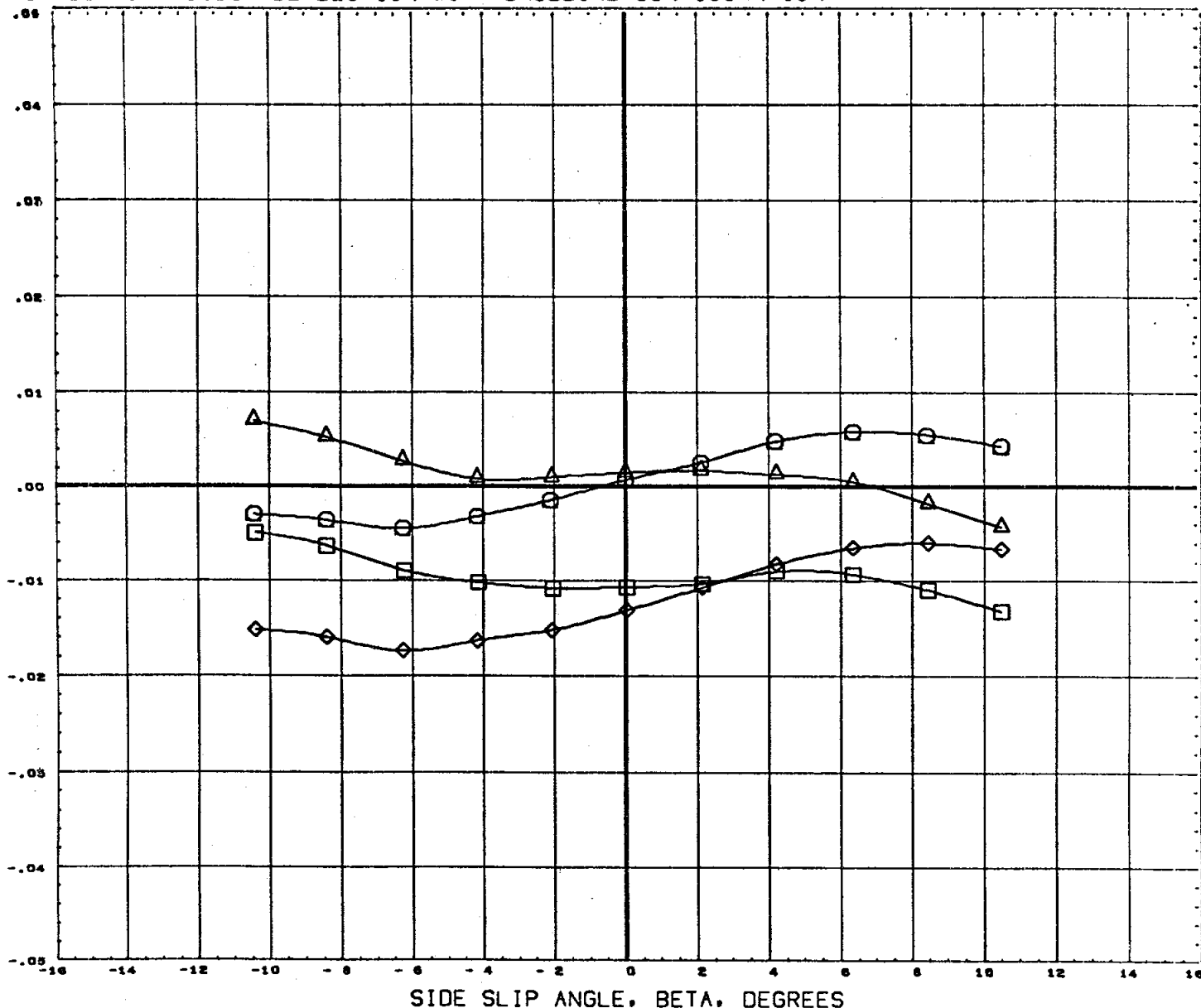
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(A76304)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(A76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	10.000	0.000	10.000	0.000	LREF	2.1020 IN.
(A76306)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	15.000	BREF	4.0300 IN.
(A76331)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	10.000	0.000	10.000	15.000	XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 1.20

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EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)



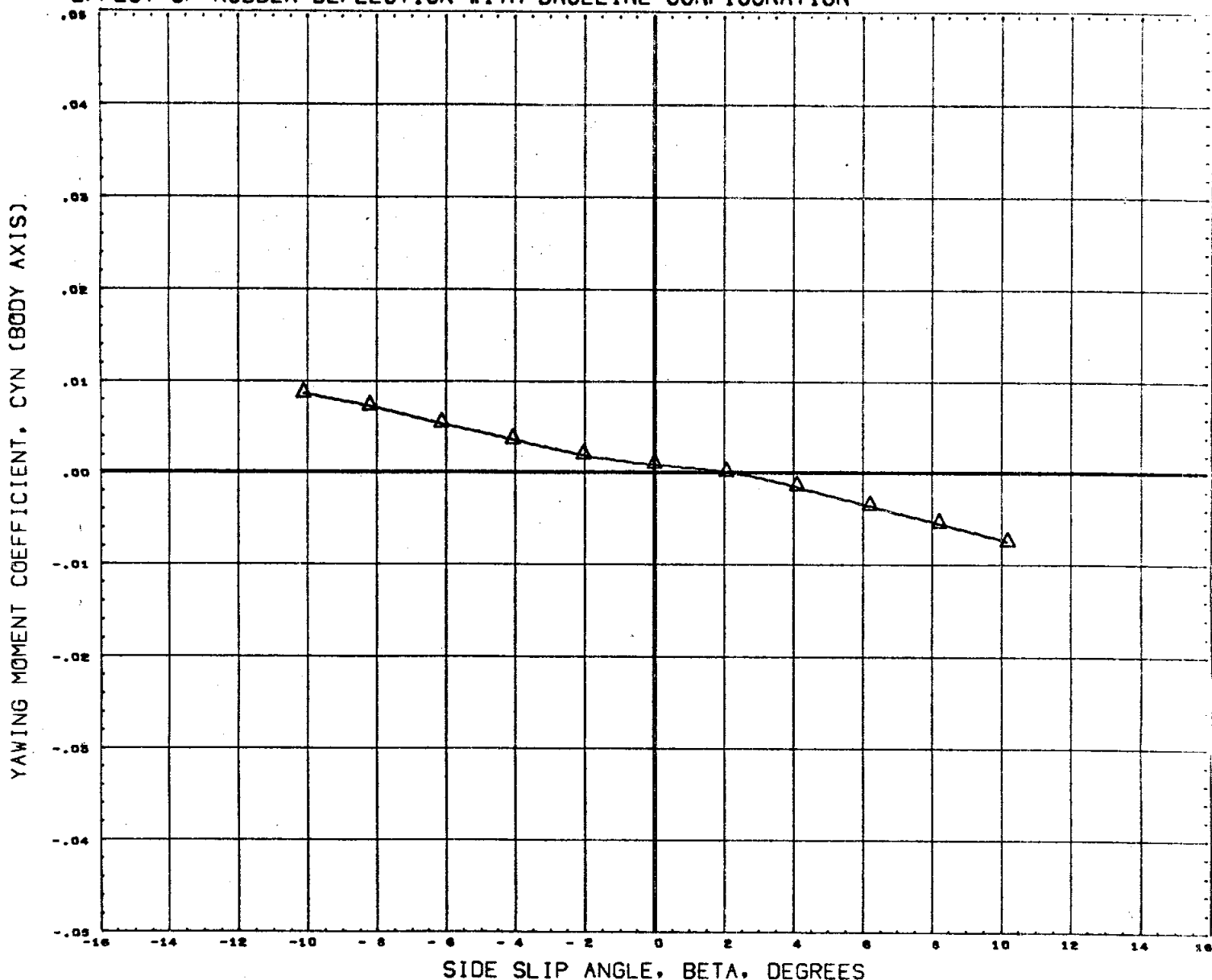
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(A76304)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(A76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	10.000	0.000	10.000	0.000	LREF	2.1020 IN.
(A76330)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	15.000	BREF	4.0300 IN.
(A76331)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	10.000	0.000	10.000	15.000	XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH

1.96

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EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION

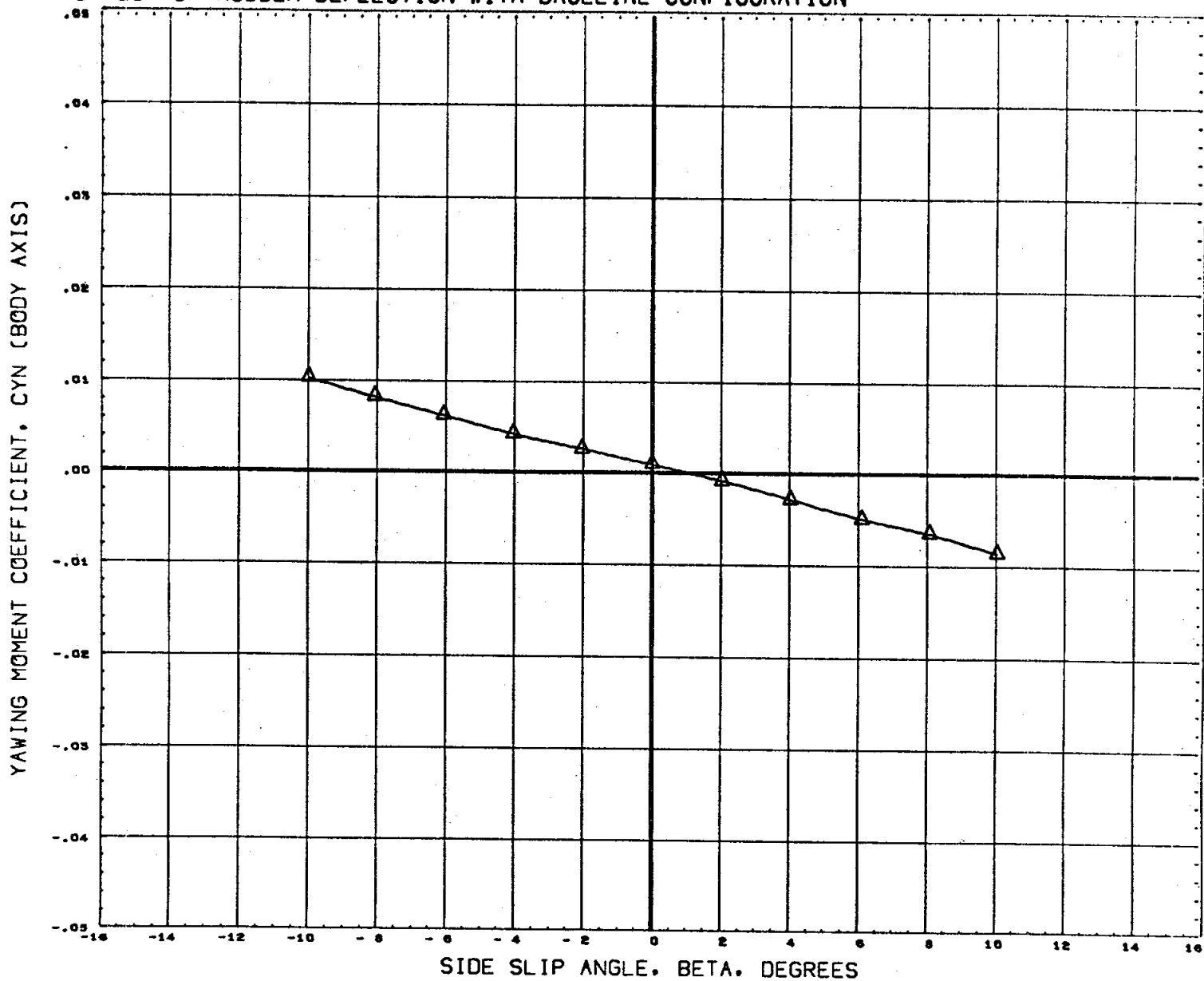


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(A76304)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(A76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	10.000	0.000	10.000	0.000	LREF	2.1020 IN.
(A76330)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	10.000	15.000	BREF	4.0300 IN.
(A76331)	DATA NOT AVAILABLE FOR ALL CONDITIONS	10.000	0.000	10.000	15.000	XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 2.99

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EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION



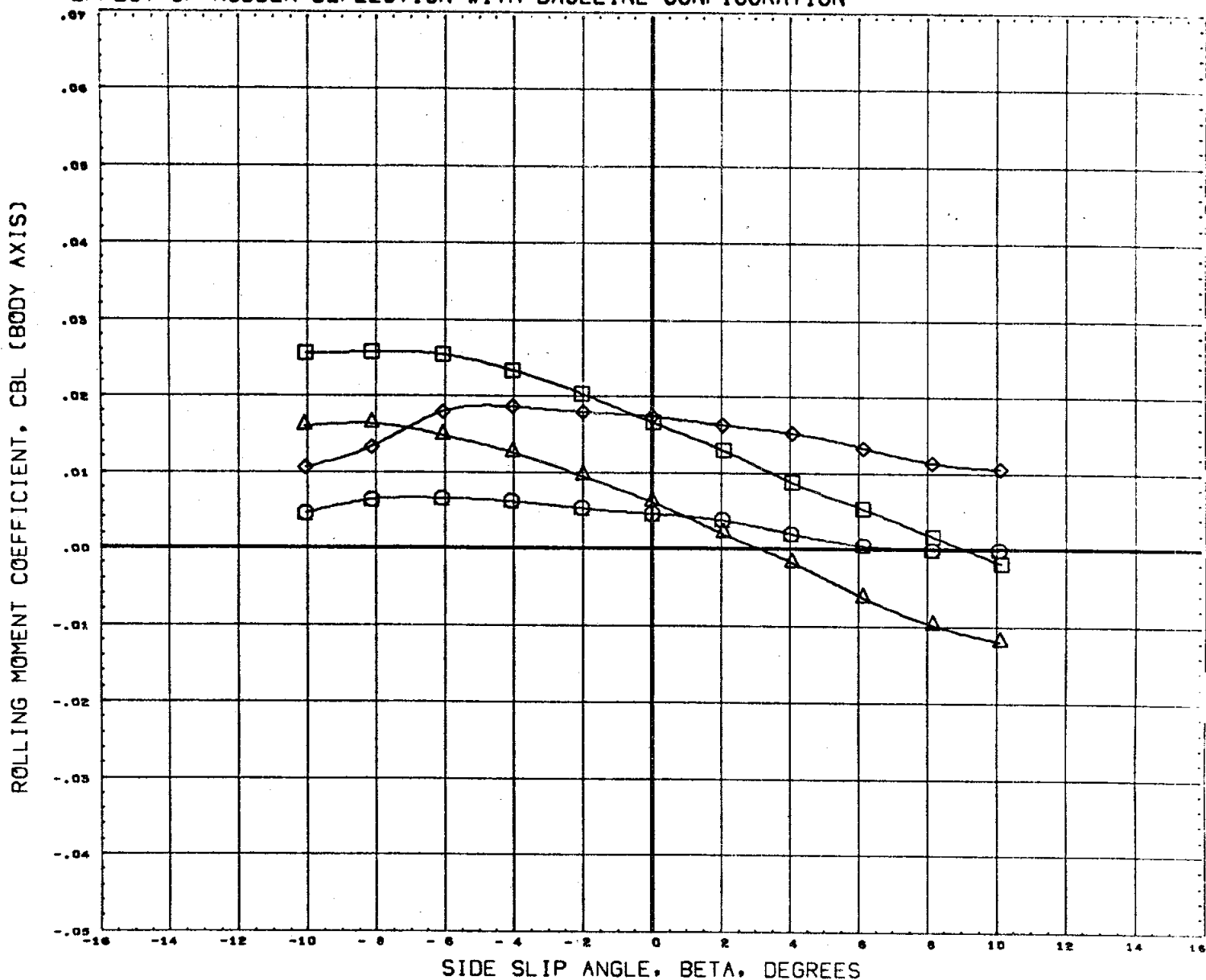
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(A76330)	DATA NOT AVAILABLE FOR ALL CONDITIONS
(A76331)	DATA NOT AVAILABLE FOR ALL CONDITIONS

ALPHA	ELEVTR	RUDFLR	RUDDER	REFERENCE INFORMATION		
0.000	0.000	10.000	0.000	SREF	7.4190	SQ. IN.
10.000	0.000	10.000	0.000	LREF	2.1020	IN.
0.000	0.000	10.000	15.000	BREF	4.0300	IN.
10.000	0.000	10.000	15.000	XMRP	3.4330	IN.
				YMRP	0.0000	IN.
				ZMRP	0.0000	IN.
				SCALE	0.0040	

MACH 4.96

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EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION

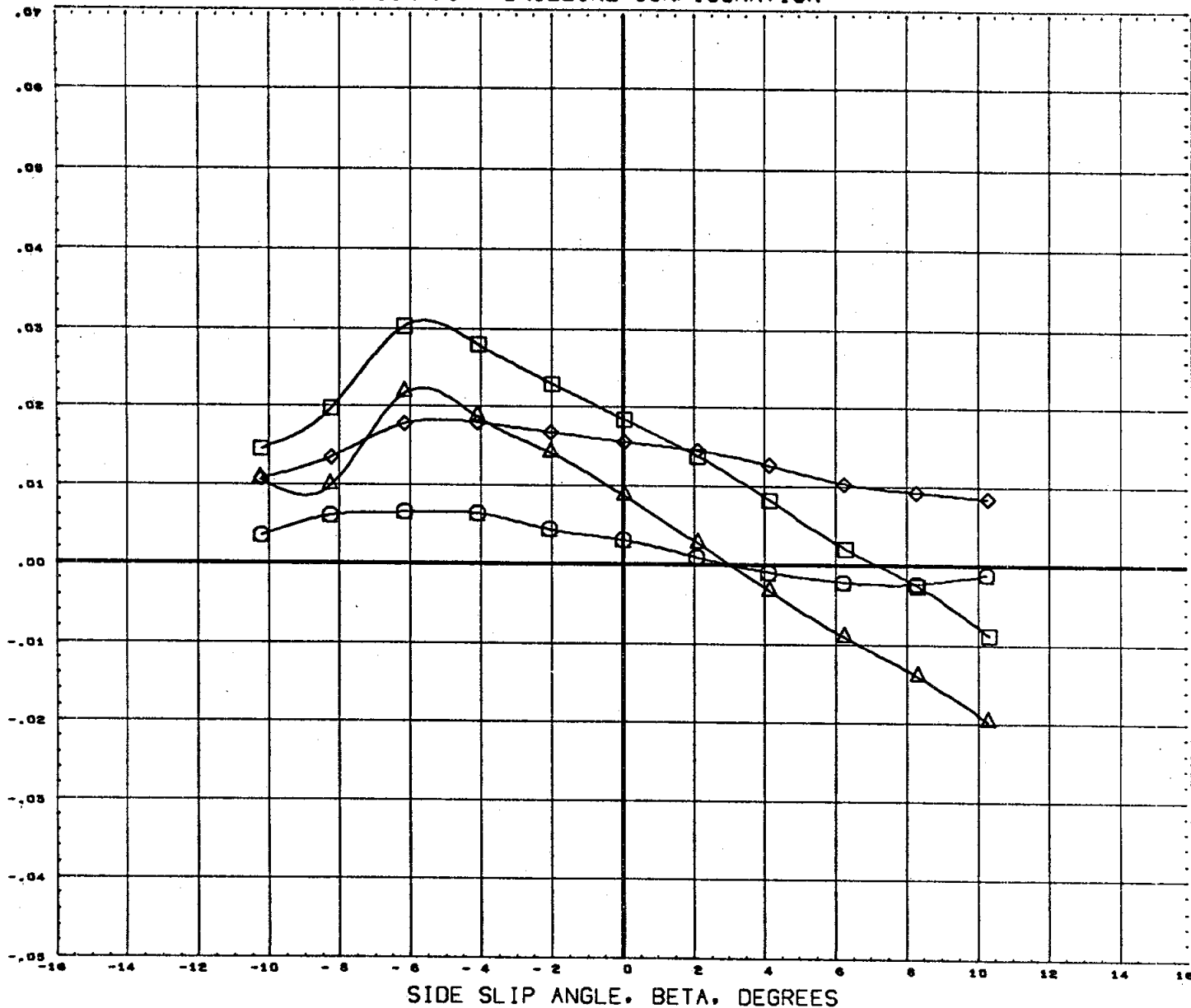


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	RUDFLR	RUDDER	REFERENCE INFORMATION	
(A76304)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(A76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	10.000	0.000	10.000	0.000	LREF	2.1020 IN.
(A76330)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	15.000	BREF	4.0300 IN.
(A76351)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	10.000	0.000	10.000	15.000	XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH .60

EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



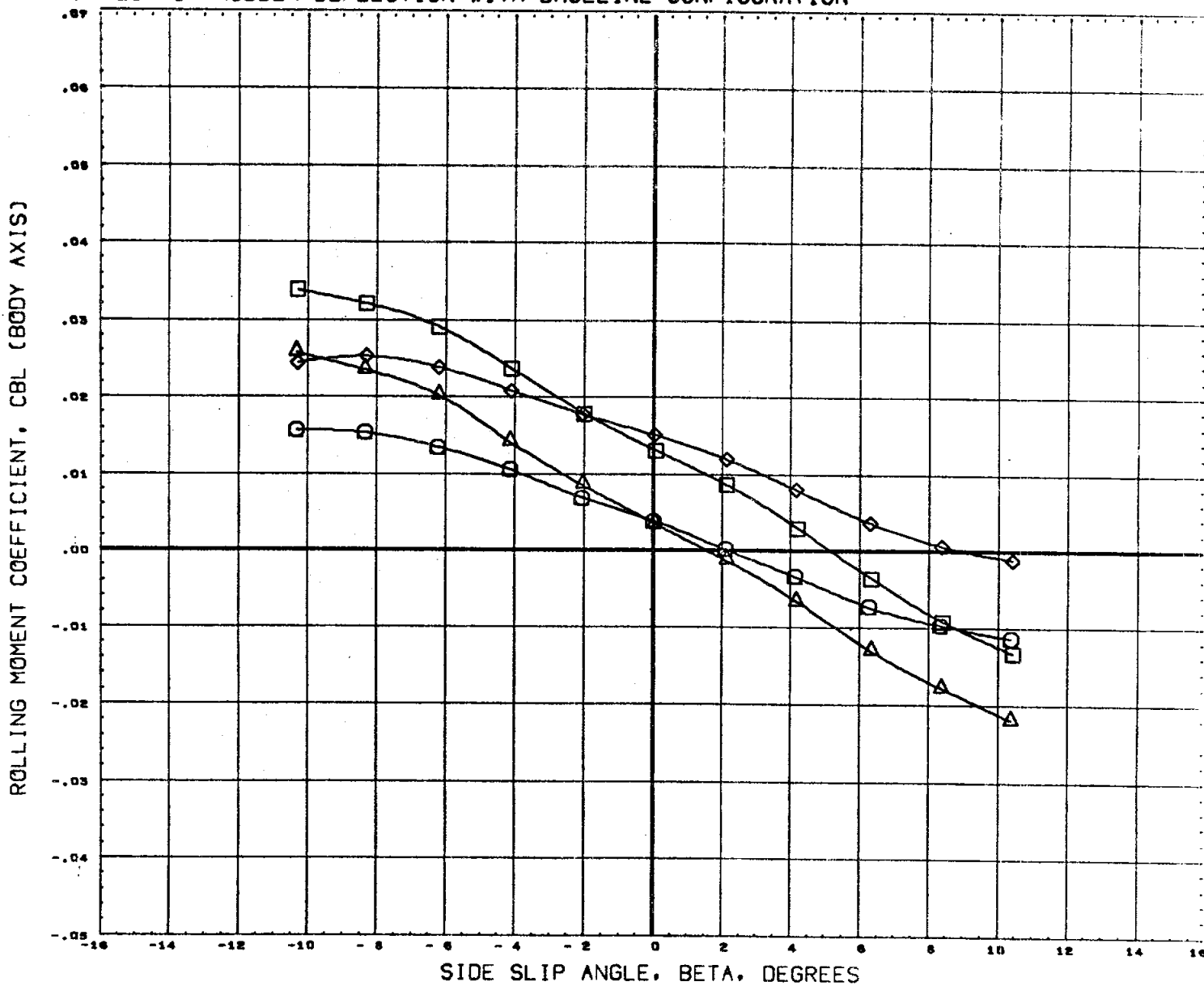
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	RUDFLR	RUDDER	REFERENCE INFORMATION
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(A76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	10.000	0.000	10.000	0.000	LREF 2.1020 IN.
(A76330)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	15.000	BREF 4.0300 IN.
(A76331)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	10.000	0.000	10.000	15.000	XMRP 3.4530 IN.
						YMRP 0.0000 IN.
						ZMRP 0.0000 IN.
						SCALE 0.0040

MACH

.91

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EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION

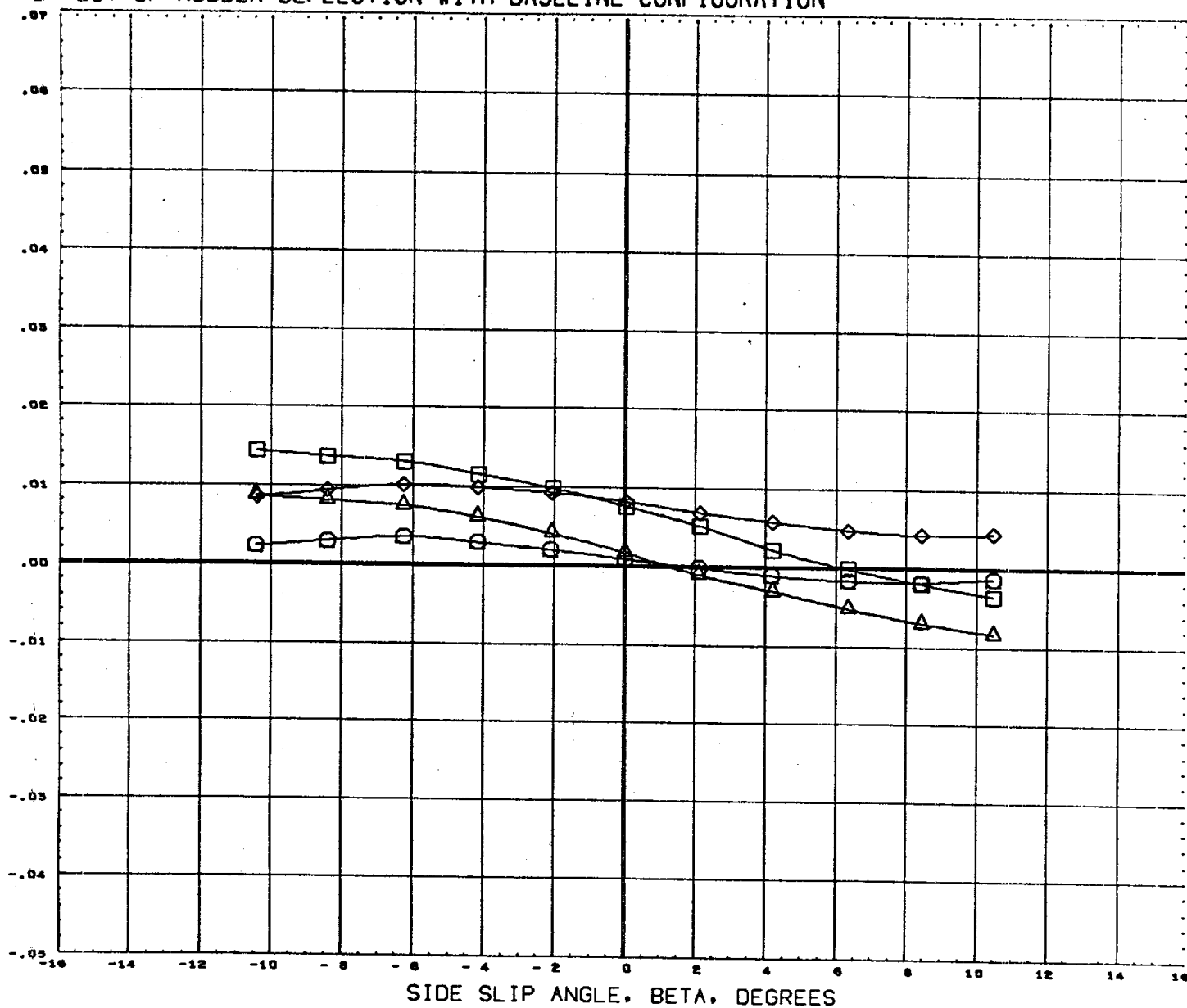


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	RUDFLR	RUDDER	REFERENCE INFORMATION	
(A76304)	○	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(A76305)	△	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	10.000	0.000	10.000	0.000	LREF	2.1020 IN.
(A76330)	◇	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	15.000	BREF	4.0300 IN.
(A76331)	□	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	10.000	0.000	10.000	15.000	XMRP	3.4530 IN.
							YMRP	0.0000 IN.
							ZMRP	0.0000 IN.
							SCALE	0.0040

MACH 1.20

EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)

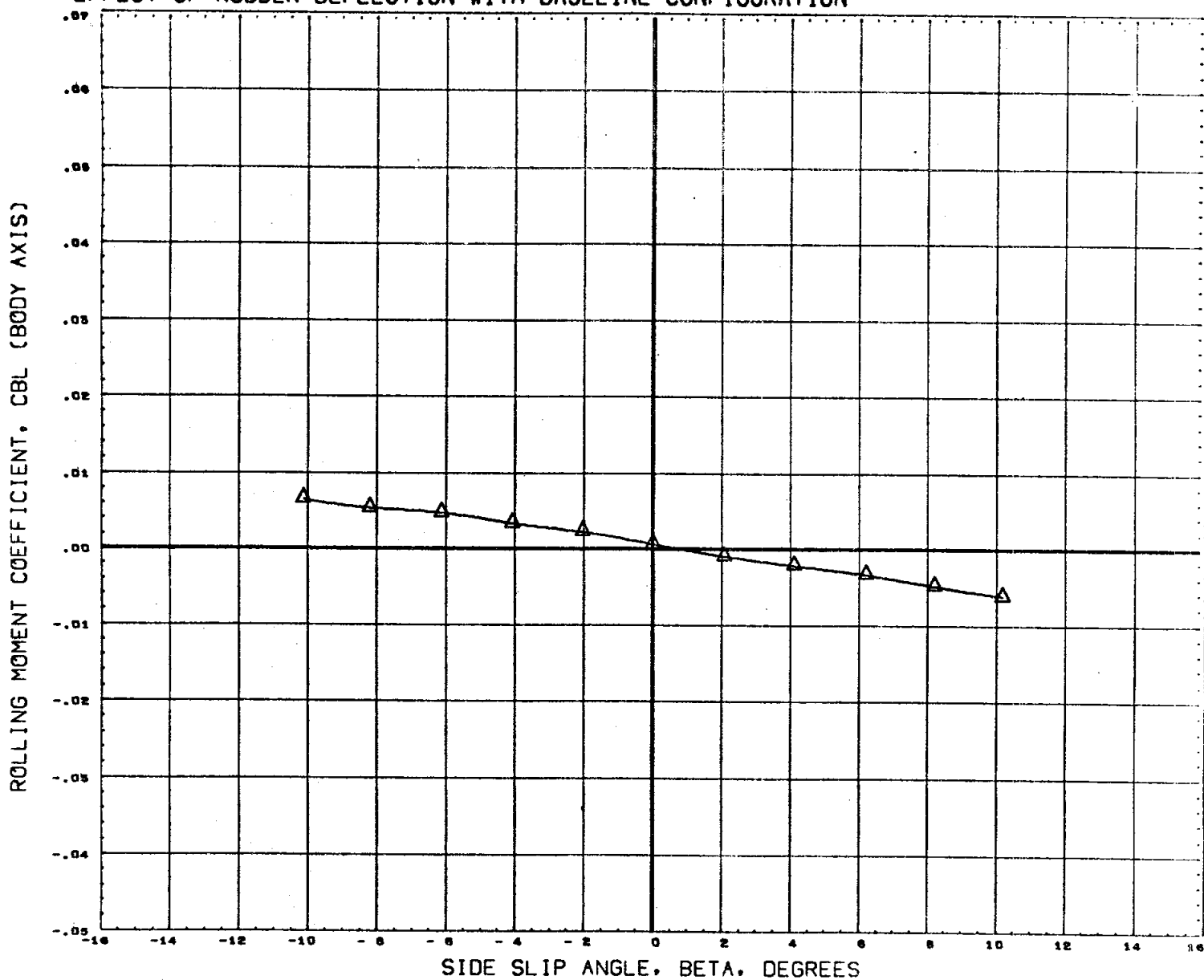


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	RUDFLR	RUDDER	REFERENCE INFORMATION		
(A76304)	○	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	0.000	SREF	7.4190	SQ. IN.
(A76305)	△	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	10.000	0.000	10.000	0.000	LREF	2.1020	IN.
(A76330)	◇	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000	15.000	SREF	4.0300	IN.
(A76331)	□	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	10.000	0.000	10.000	15.000	XMRP	3.4530	IN.
							YMRP	0.0000	IN.
							ZMRP	0.0000	IN.
							SCALE	0.0040	

MACH

1.96

EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION



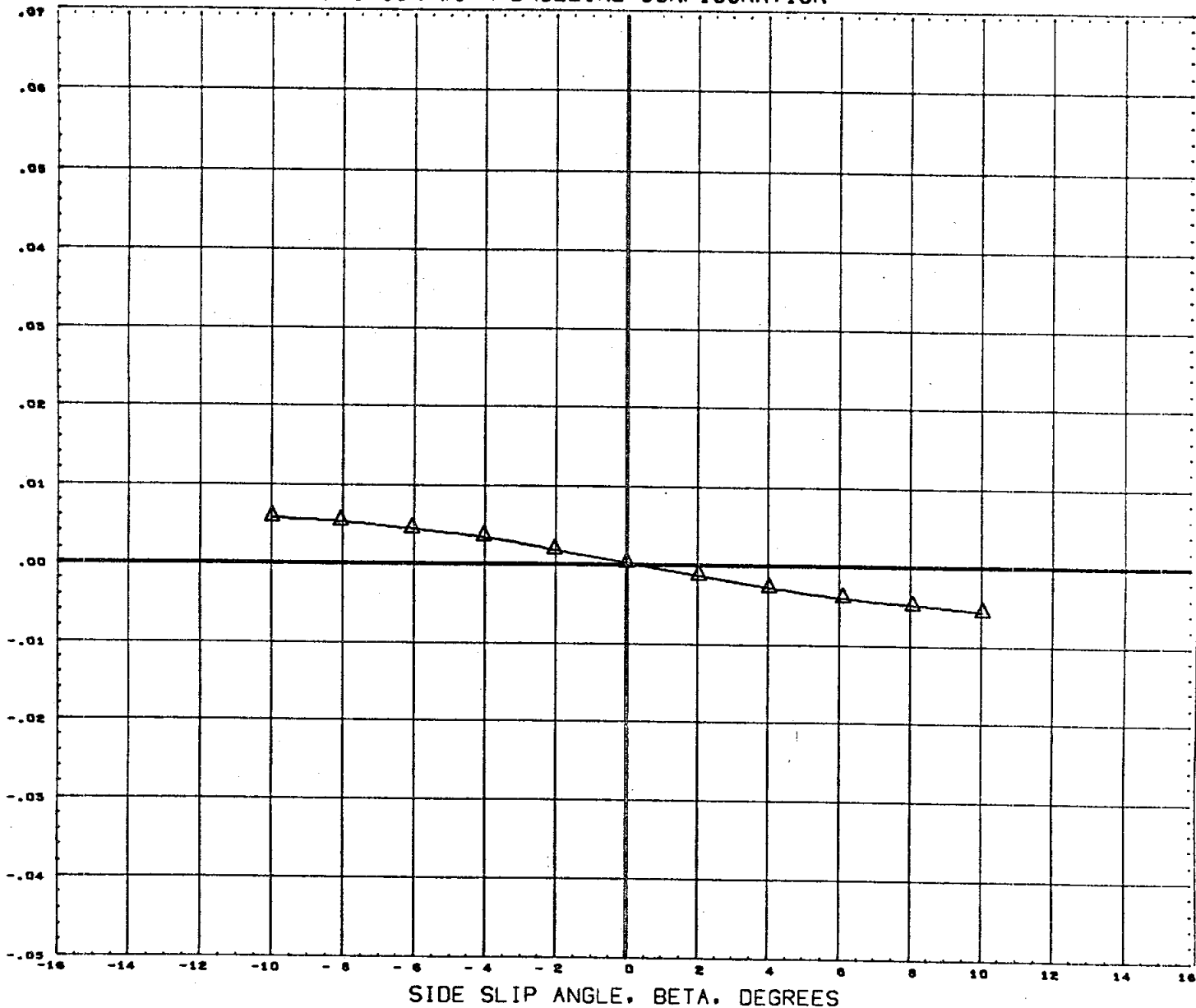
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	RUDFLR	RUDDER	REFERENCE INFORMATION	
(A76304)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	10.000	0.000	SREF	7.4190 SQ. IN.
(A76305)	M555 (FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	10.000	0.000	10.000	0.000	LREF	2.1020 IN.
(A76330)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	10.000	15.000	BREF	4.0300 IN.
(A76331)	DATA NOT AVAILABLE FOR ALL CONDITIONS	10.000	0.000	10.000	15.000	XMRP	3.4530 IN.
						YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040

MACH 2.99

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EFFECT OF RUDDER DEFLECTION WITH BASELINE CONFIGURATION

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



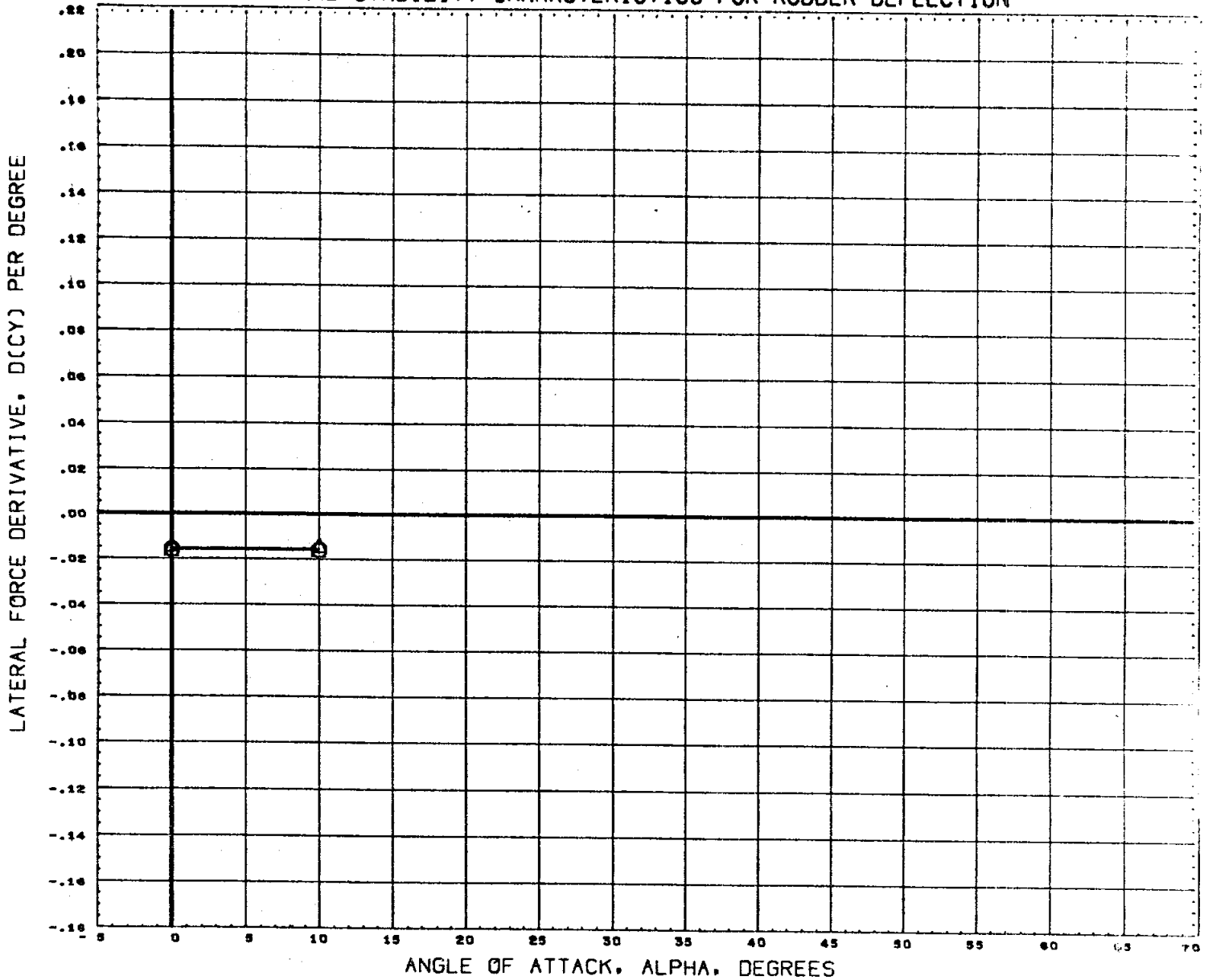
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVTR	RUDFLR	RUDDER	REFERENCE INFORMATION		
(A76304)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	10.000	0.000	SREF	7.4190	SQ. IN.
(A76305)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	10.000	0.000	10.000	0.000	LREF	2.1020	IN.
(A76330)	DATA NOT AVAILABLE FOR ALL CONDITIONS	0.000	0.000	10.000	15.000	BREF	4.0300	IN.
(A76331)	DATA NOT AVAILABLE FOR ALL CONDITIONS	10.000	0.000	10.000	15.000	XMRP	3.4530	IN.
						YMRP	0.0000	IN.
						ZMRP	0.0000	IN.
						SCALE	0.0040	


MACH

4.96

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LATERAL-DIRECTIONAL STABILITY CHARACTERISTICS FOR RUDDER DEFLECTION



SYMBOL

 RUDDER
 0.000
 15.000

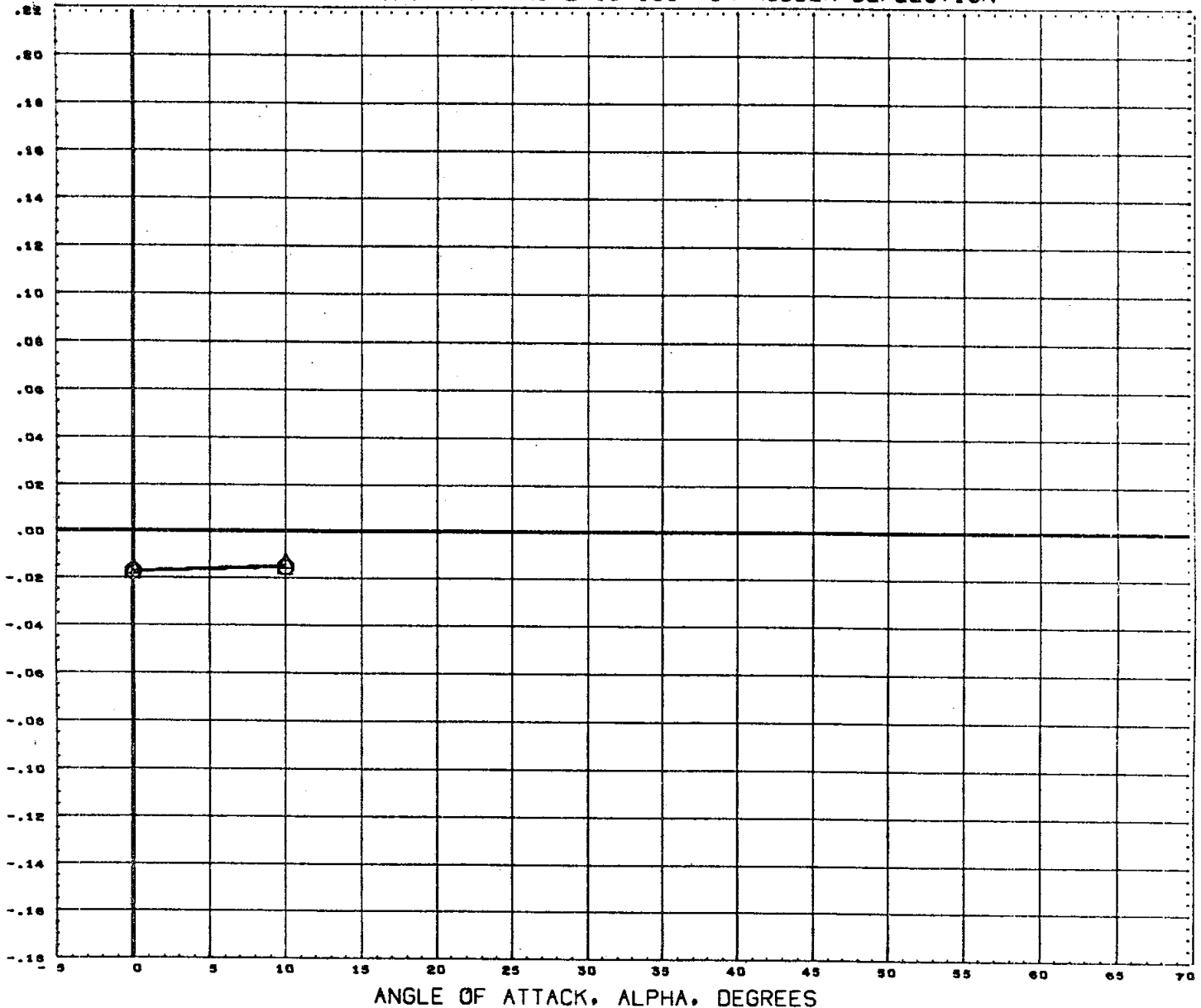
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 AILRON 0.000 OBDAIL 0.000
 IBDAIL 0.000

DATA HIST. CODE IM

REFERENCE INFORMATION
 SREF 7.4190 SQ. IN.
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 BREF 4.0300 IN.
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 YMRP 0.0000 IN.
 ZMRP 0.0000 IN.
 SCALE 0.0040

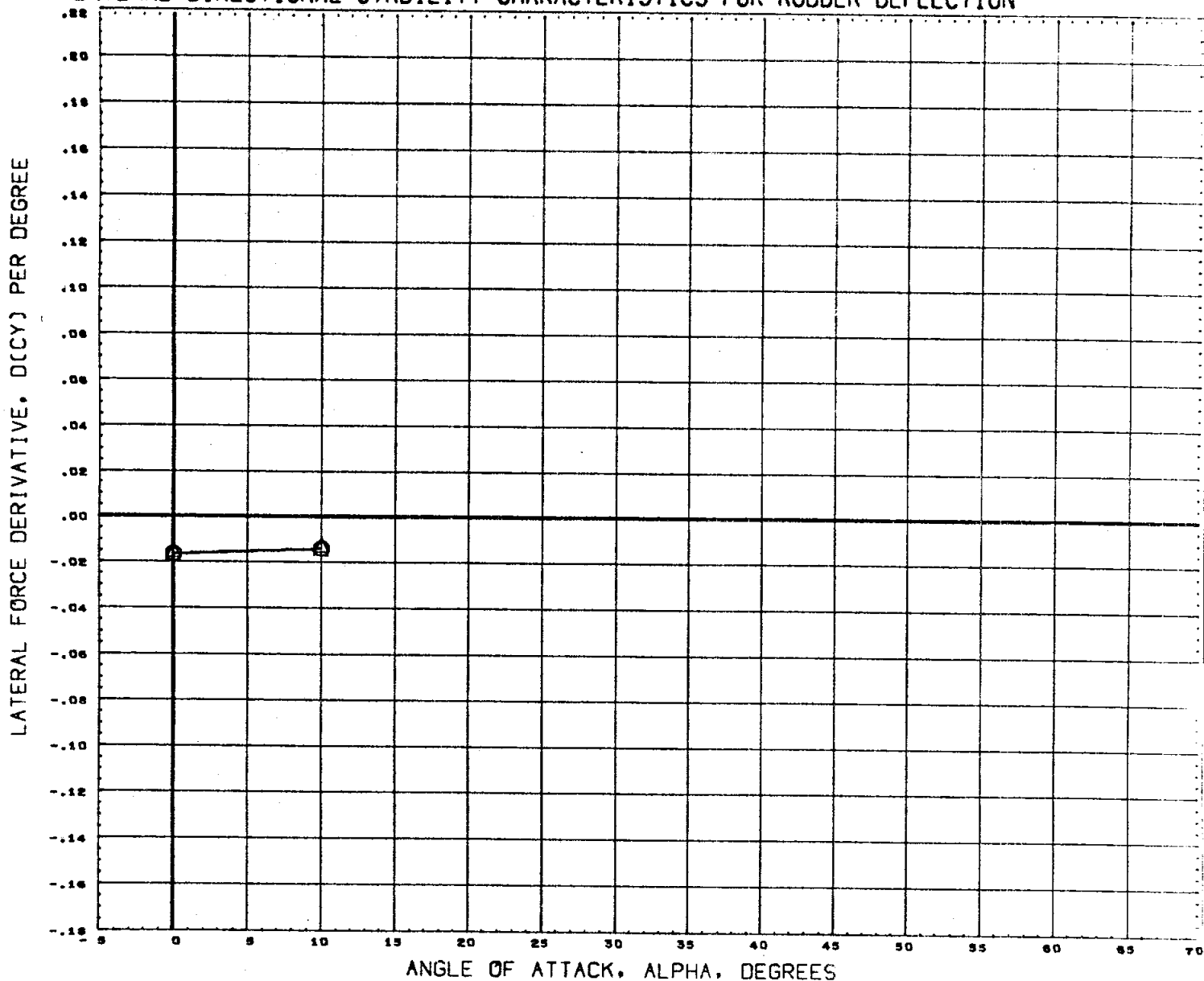
LATERAL-DIRECTIONAL STABILITY CHARACTERISTICS FOR RUDDER DEFLECTION

LATERAL FORCE DERIVATIVE, $Y_{\dot{\alpha}}$ PER DEGREE



SYMBOL	RUDDER	PARAMETRIC VALUES				REFERENCE INFORMATION		
Δ	0.000	MACH	0.900	CONFIG	3.000	SREF	7.4190	SQ. IN.
	15.000	RUDFLR	10.000	ELEVTR	0.000	LREF	2.1020	IN.
		OBDELV	0.000	IBDELV	0.000	BREF	4.0500	IN.
		AILRON	0.000	OBDAIL	0.000	XMRP	3.4530	IN.
		IBDAIL	0.000			YMRP	0.0000	IN.
		DATA HIST. CODE	IM			ZMRP	0.0000	IN.
						SCALE	0.0040	

LATERAL-DIRECTIONAL STABILITY CHARACTERISTICS FOR RUDDER DEFLECTION



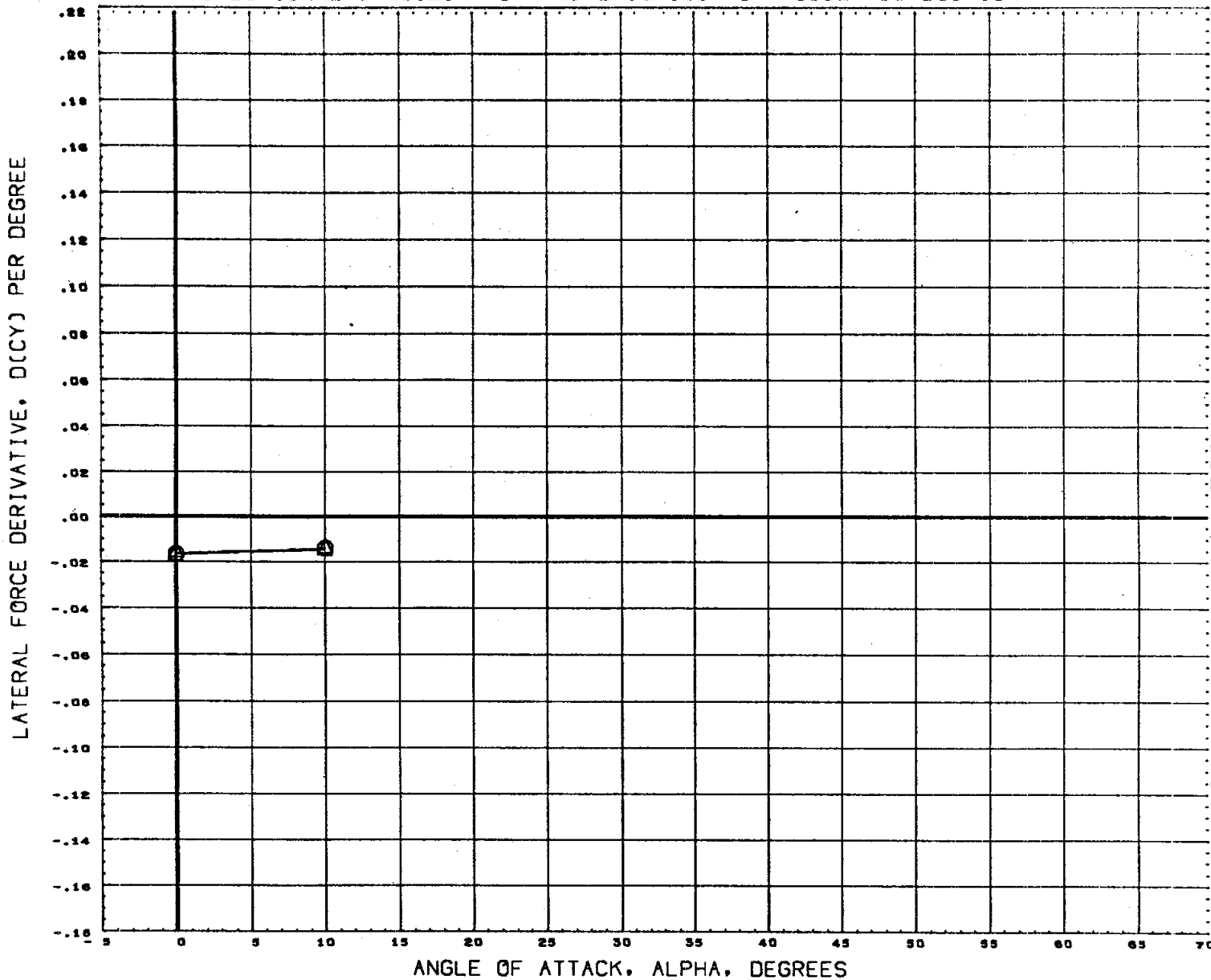
SYMBOL RUDDER
 O 0.000
 Δ 15.000

PARAMETRIC VALUES
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 RUDELFR 10.000 ELEVTR 0.000
 OBDELV 0.000 IBDELV 0.000
 AILRON 0.000 OBDAIL 0.000
 IBDAIL 0.000

DATA HIST. CODE 1M

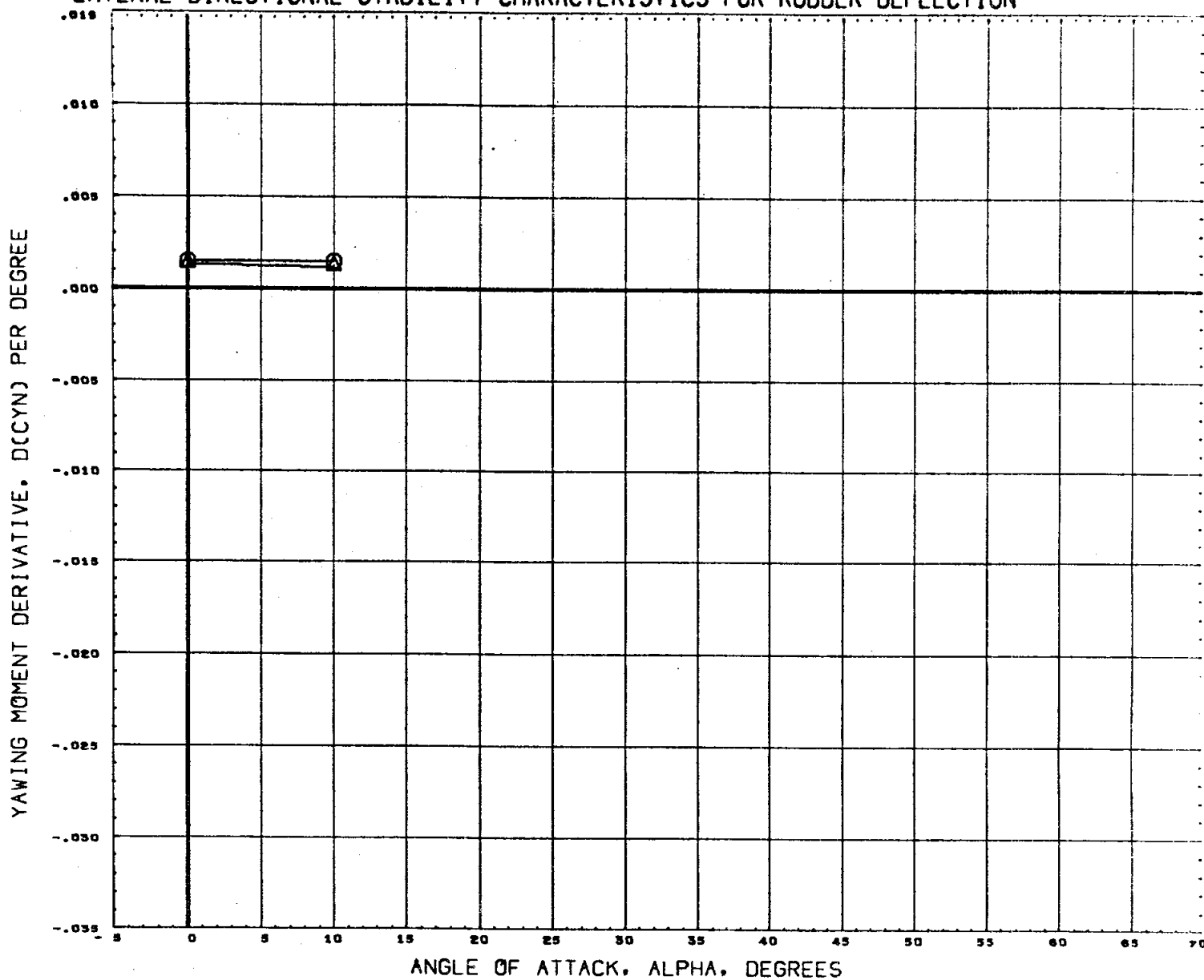
REFERENCE INFORMATION
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 LREF 2.1020 IN.
 BREF 4.0300 IN.
 XMRP 3.4530 IN.
 YMRP 0.0000 IN.
 ZMRP 0.0000 IN.
 SCALE 0.0040

LATERAL-DIRECTIONAL STABILITY CHARACTERISTICS FOR RUDDER DEFLECTION



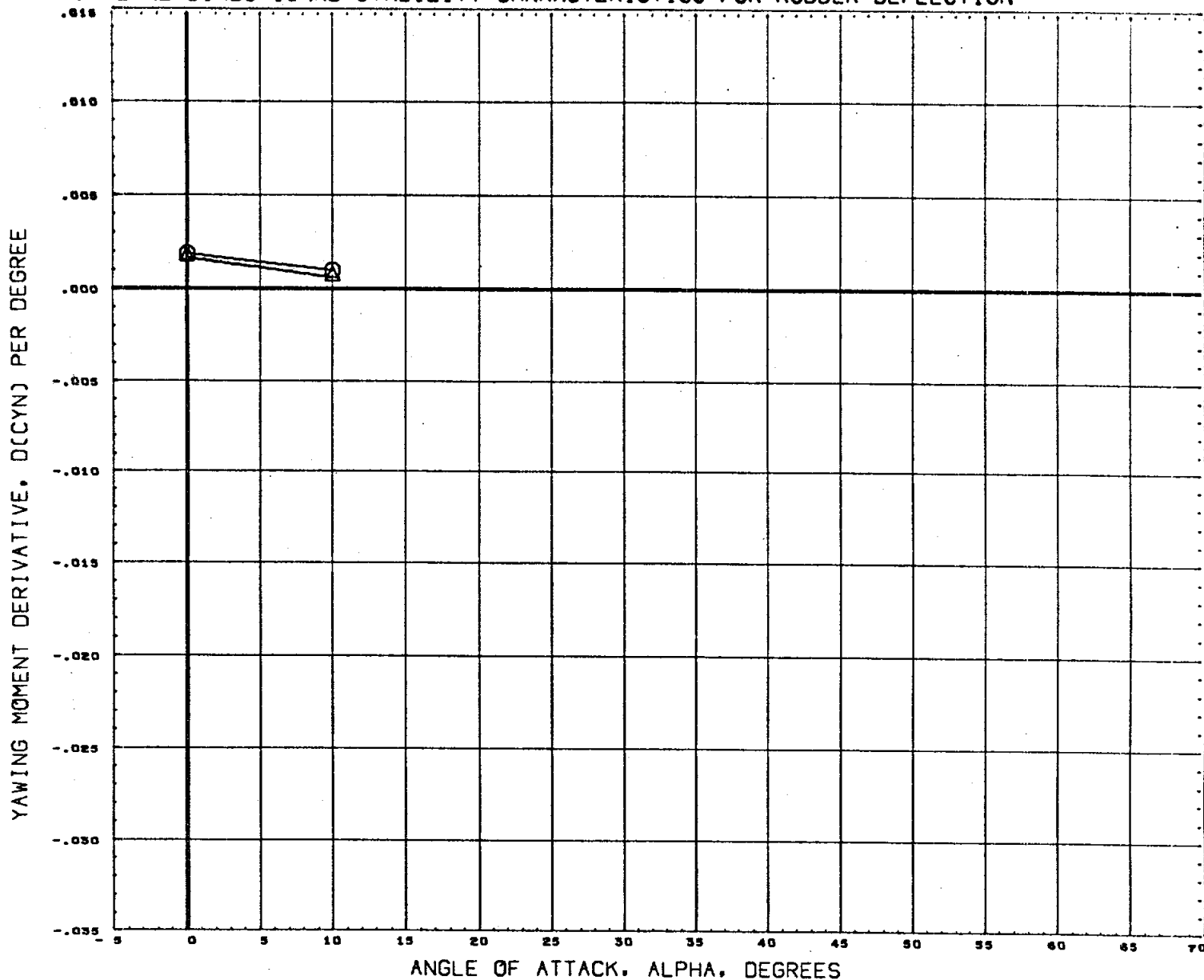
SYMBOL	RUDDER	PARAMETRIC VALUES				REFERENCE INFORMATION		
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	15.000	RUDFLR	10.000	ELEVTR	0.000	LREF	2.1020	IN.
		OBDELV	0.000	IBDELV	0.000	BREF	4.0300	IN.
		AILRON	0.000	OBDAIL	0.000	YMRP	3.4530	IN.
		IBDAIL	0.000			ZMRP	0.0000	IN.
		DATA HIST. CODE	IM			SCALE	0.0040	

LATERAL-DIRECTIONAL STABILITY CHARACTERISTICS FOR RUDDER DEFLECTION



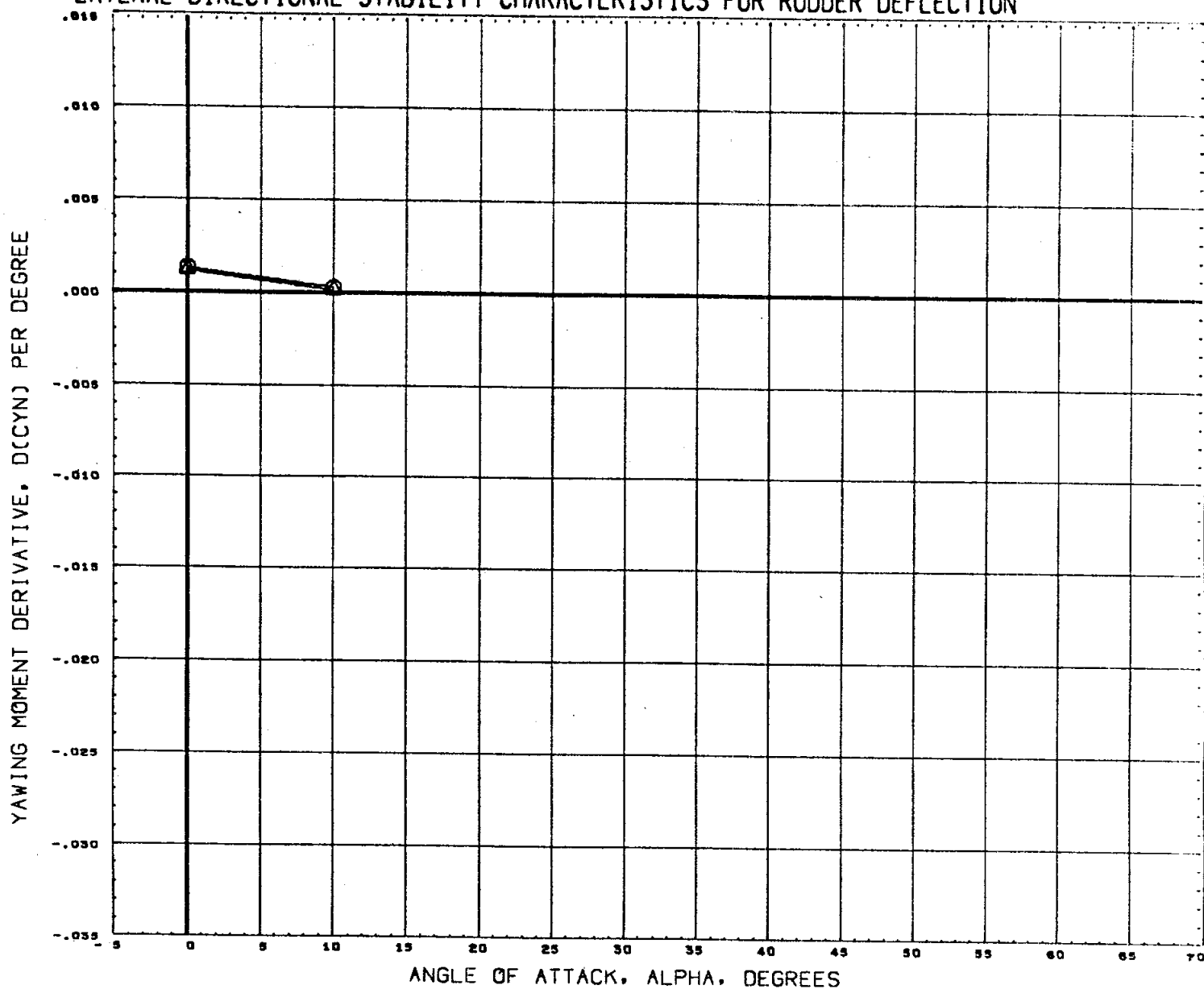
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		OBDELV	0.000	IBDELV	0.000	BREF	4.0300 IN.
		AILRON	0.000	OBDAIL	0.000	XMRP	3.4530 IN.
		IBDAIL	0.000			YMRP	0.0000 IN.
						ZMRP	0.0000 IN.
						SCALE	0.0040
		DATA HIST. CODE IM					

LATERAL-DIRECTIONAL STABILITY CHARACTERISTICS FOR RUDDER DEFLECTION



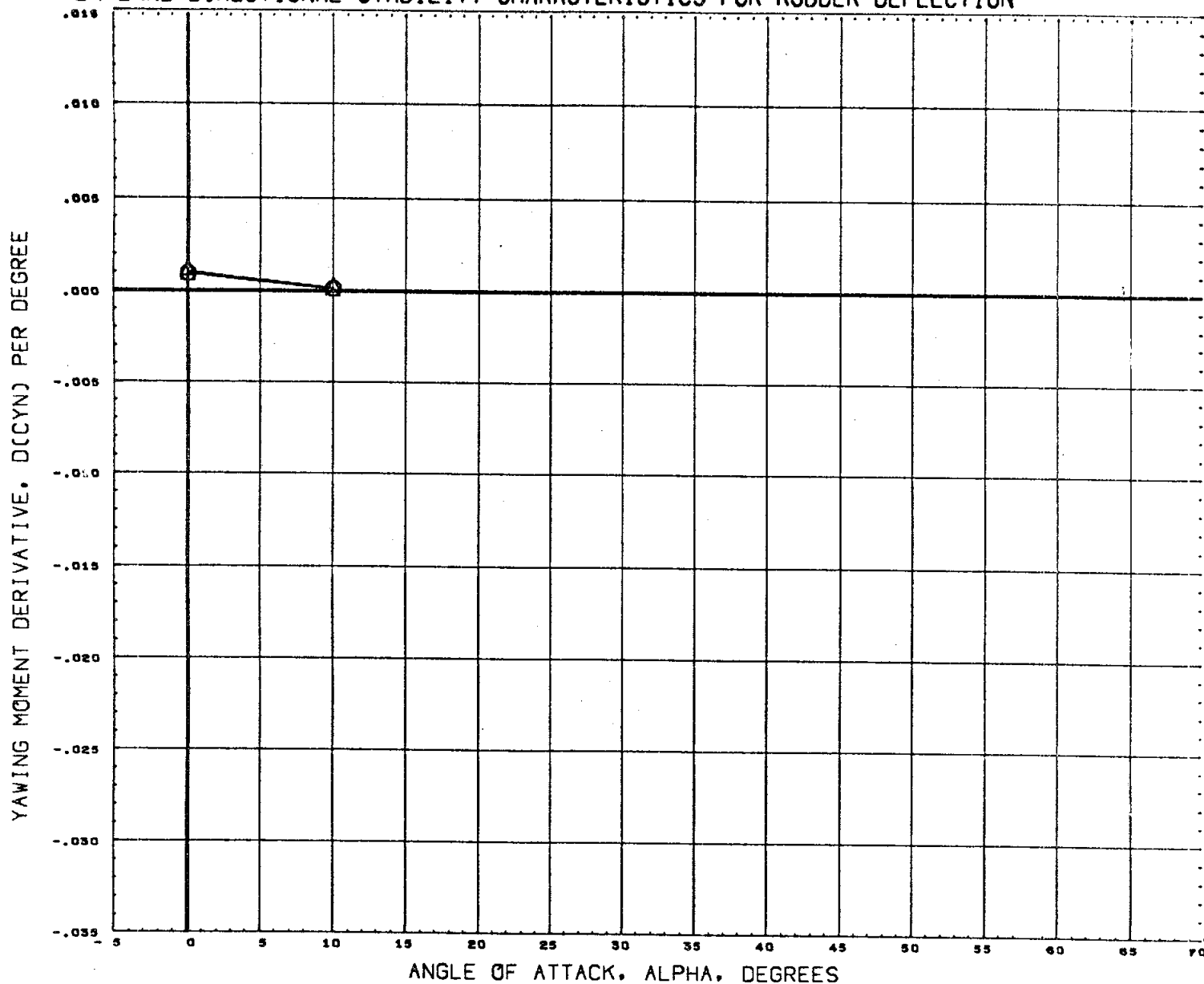
SYMBOL	RUDDER	PARAMETRIC VALUES				REFERENCE INFORMATION		
O Δ	0.000	MACH	0.900	CONFIG	3.000	SREF	7.4190	SQ. IN.
	15.000	RUOFLR	10.000	ELEVTR	0.000	LREF	2.1020	IN.
		OBDELV	0.000	IBDELV	0.000	BREF	4.0300	IN.
		AILRON	0.000	OBDAIL	0.000	XMRP	3.4530	IN.
		IBDAIL	0.000			YMRP	0.0000	IN.
		DATA HIST. CODE	IM			ZMRP	0.0000	IN.
						SCALE	0.0040	

LATERAL-DIRECTIONAL STABILITY CHARACTERISTICS FOR RUDDER DEFLECTION



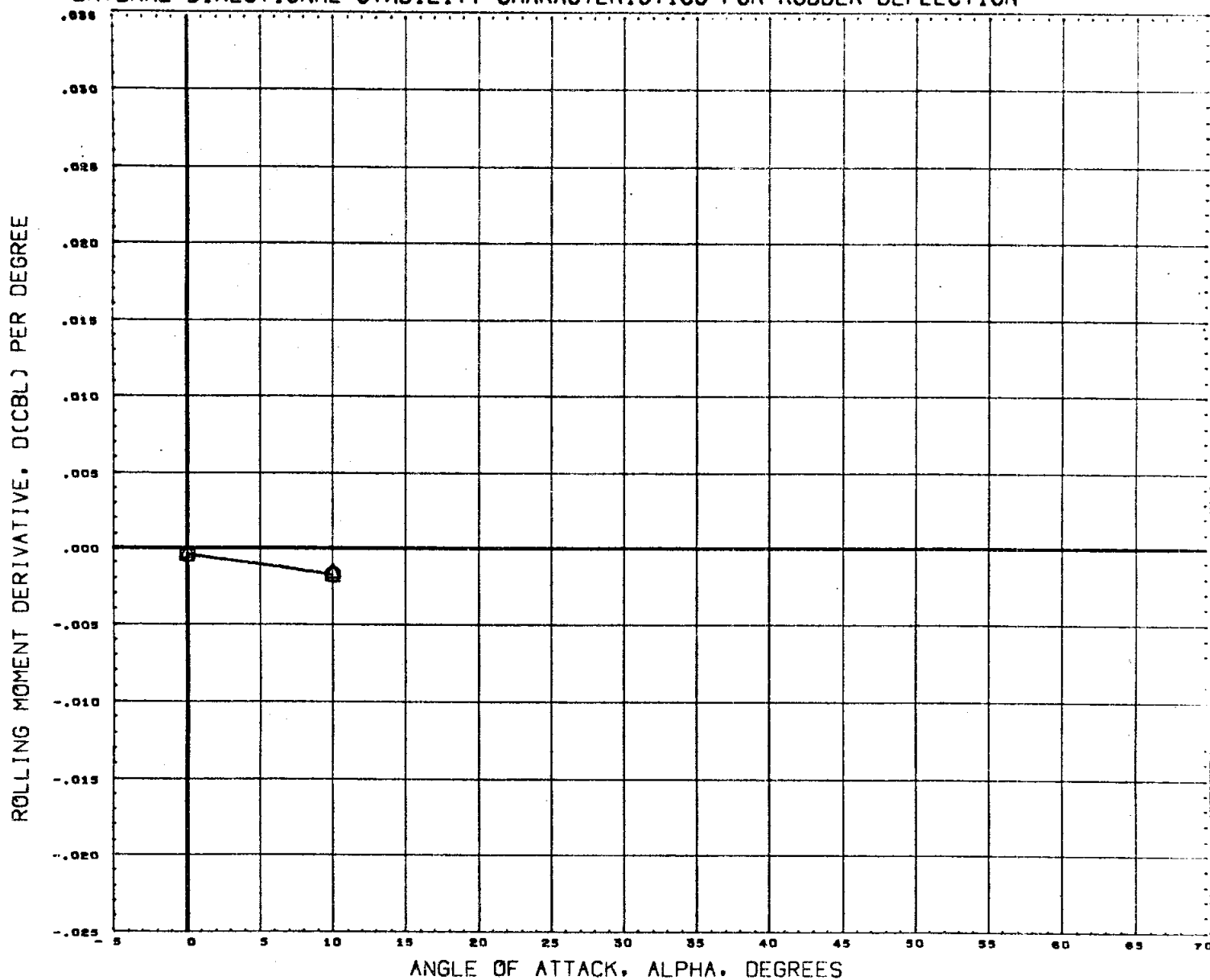
SYMBOL	RUDDER		PARAMETRIC VALUES				REFERENCE INFORMATION		
	0.000	15.000	MACH	1.200	CONFIG	3.000	SREF	7.4190	SQ. IN.
			RUDFLR	10.000	ELEVTR	0.000	LREF	2.1020	IN.
			OBDELV	0.000	IBDELV	0.000	BREF	4.0300	IN.
			AILRON	0.000	OBDAIL	0.000	XMRP	3.4530	IN.
			IBDAIL	0.000			YMRP	0.0000	IN.
			DATA MIST. CODE	IM			ZMRP	0.0000	IN.
							SCALE	0.0040	

LATERAL-DIRECTIONAL STABILITY CHARACTERISTICS FOR RUDDER DEFLECTION



SYMBOL	RUDDER		PARAMETRIC VALUES				REFERENCE INFORMATION		
	0.000	15.000	MACH	1.960	CONFIG	3.000	SREF	7.4190	SQ. IN.
			RUDFLR	10.000	ELEVTR	0.000	LREF	2.1020	IN.
			OBDELV	0.000	IBDELV	0.000	BREF	4.0300	IN.
			AILRON	0.000	OBDAIL	0.000	XMRP	3.4530	IN.
			IBDAIL	0.000			YMRP	0.0000	IN.
							ZMRP	0.0000	IN.
							SCALE	0.0040	
			DATA HIST. CODE		IM				

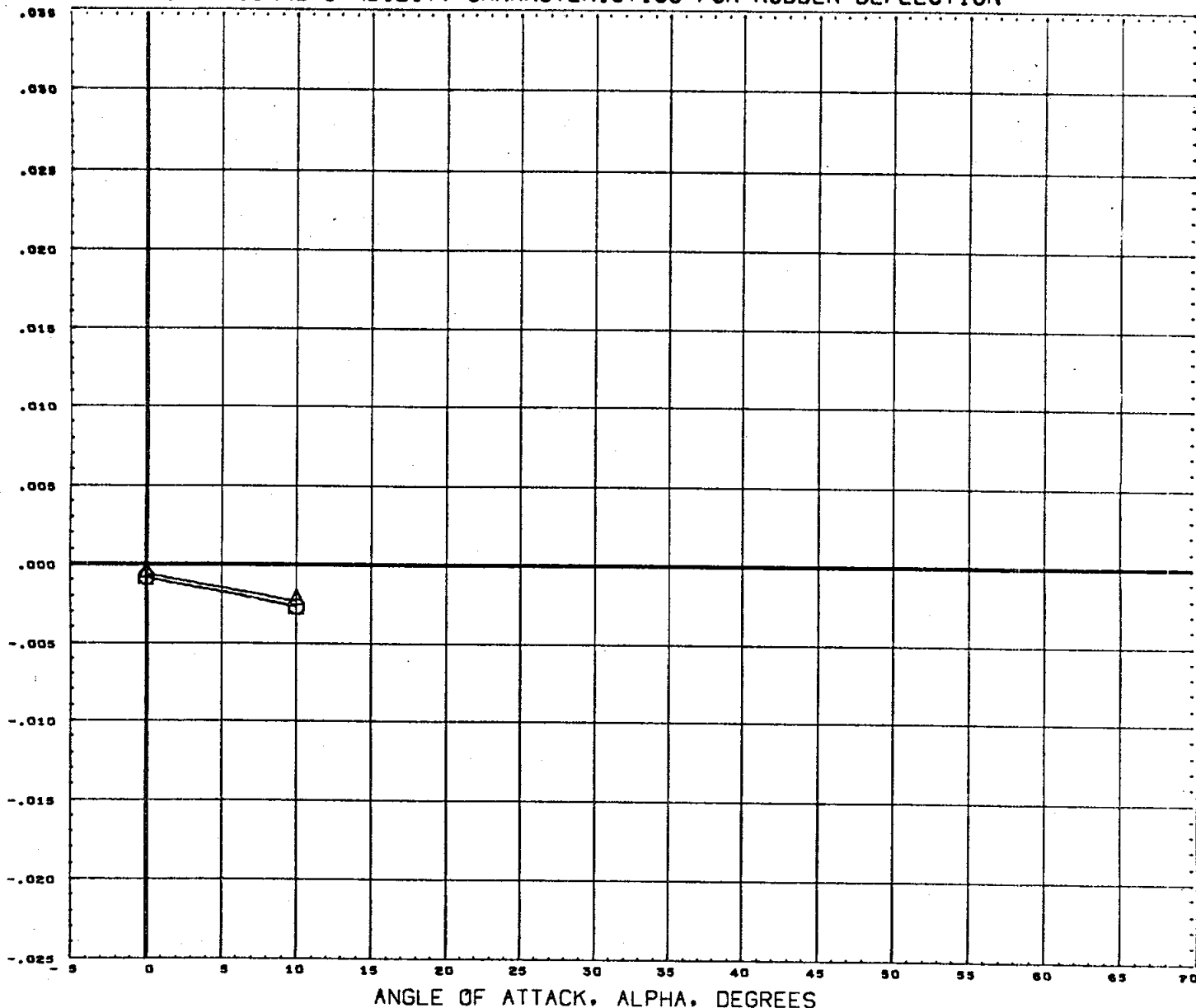
LATERAL-DIRECTIONAL STABILITY CHARACTERISTICS FOR RUDDER DEFLECTION



SYMBOL	RUDDER	PARAMETRIC VALUES				REFERENCE INFORMATION	
Δ	0.000	MACH	0.600	CONFIG	3.000	SREF	7.4190 SQ. IN.
	15.000	RUDFLR	10.000	ELEVTR	0.000	LREF	2.1020 IN.
		OBDELV	0.000	IBDELV	0.000	BREF	4.0300 IN.
		AILRON	0.000	OBDAIL	0.000	XHRP	3.4530 IN.
		IBDAIL	0.000			YHRP	0.0000 IN.
						ZHRP	0.0000 IN.
		DATA HIST. CODE	1M			SCALE	0.0040

LATERAL-DIRECTIONAL STABILITY CHARACTERISTICS FOR RUDDER DEFLECTION

ROLLING MOMENT DERIVATIVE, D(CBL) PER DEGREE

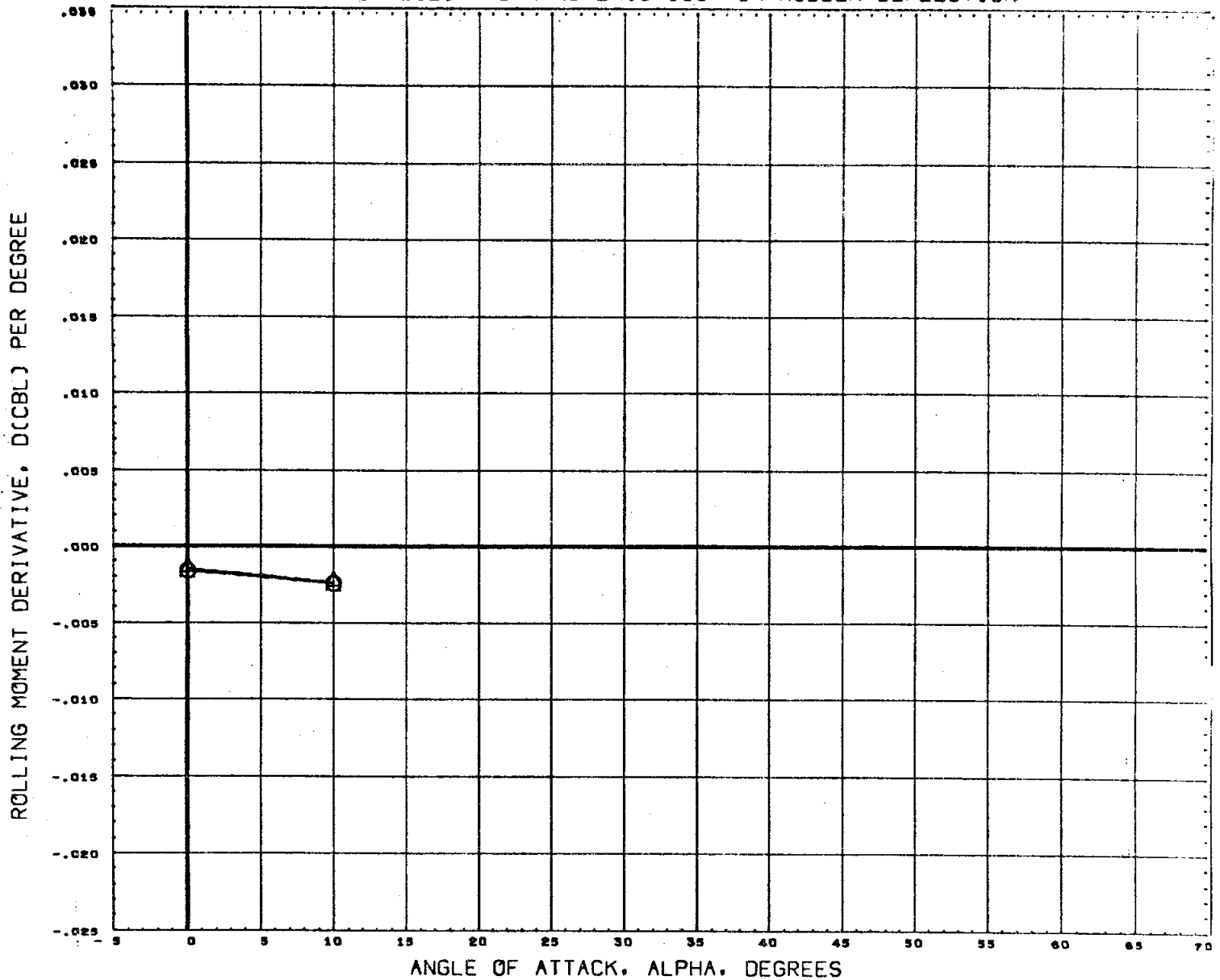


ANGLE OF ATTACK, ALPHA, DEGREES

SYMBOL	RUDDER	PARAMETRIC VALUES			
○	0.000	MACH	0.900	CONFIG	3.000
△	15.000	RUDFLR	10.000	ELEVTR	0.000
		OBDELV	0.000	IBDELV	0.000
		AILRON	0.000	OBDAIL	0.000
		IBDAIL	0.000		
		DATA HIST. CODE	IM		

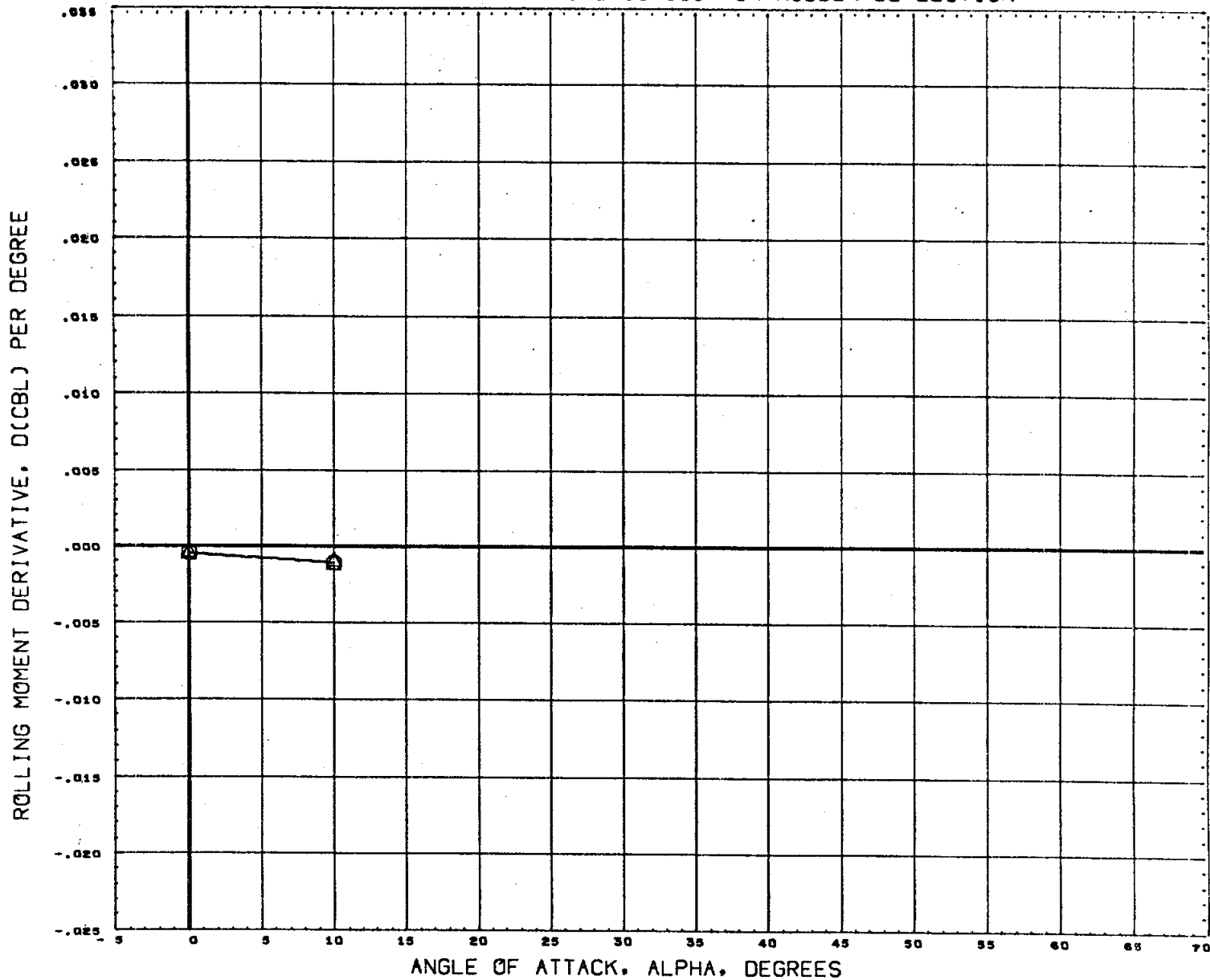
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LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4550	IN.
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ZMRP	0.0000	IN.
SCALE	0.0040	

LATERAL-DIRECTIONAL STABILITY CHARACTERISTICS FOR RUDDER DEFLECTION



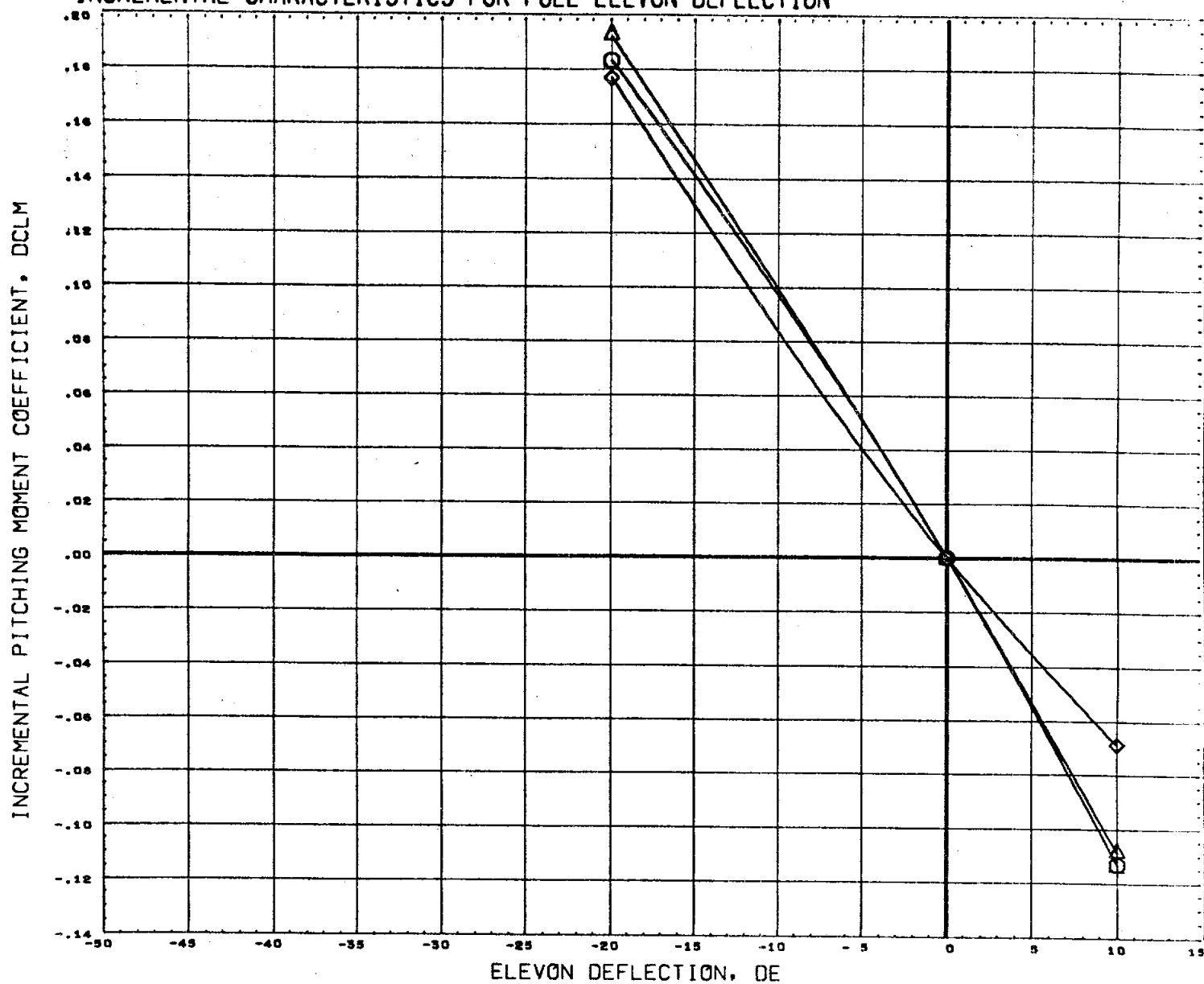
SYMBOL	RUDDER		PARAMETRIC VALUES				REFERENCE INFORMATION	
	0.000	15.000	MACH	1.200	CONFIG	3.000	SREF	7.4190 SQ. IN.
○			RUDFLR	10.000	ELEVTR	0.000	LREF	2.1020 IN.
△			OBDELV	0.000	IBDELV	0.000	BREF	4.0300 IN.
			AILRON	0.000	OBDAIL	0.000	XMRP	3.4330 IN.
			IBDAIL	0.000			YMRP	0.0000 IN.
							ZMRP	0.0000 IN.
							SCALE	0.0040
			DATA HIST. CODE 1M					

LATERAL-DIRECTIONAL STABILITY CHARACTERISTICS FOR RUDDER DEFLECTION



SYMBOL	RUDDER	PARAMETRIC VALUES				REFERENCE INFORMATION		
		MACH	1.960	CONFIG	3.000	SREF	7.4190	SQ. IN.
△	0.000	RUDFLR	10.000	ELEVTR	0.000	LREF	2.1020	IN.
	15.000	OBDELV	0.000	IBDELV	0.000	BREF	4.0300	IN.
		AILRON	0.000	OBDAIL	0.000	XMRP	3.4530	IN.
		IBDAIL	0.000			YMRP	0.0000	IN.
		DATA HIST. CODE	IM			ZMRP	0.0000	IN.
						SCALE	0.0040	

INCREMENTAL CHARACTERISTICS FOR FULL ELEVON DEFLECTION

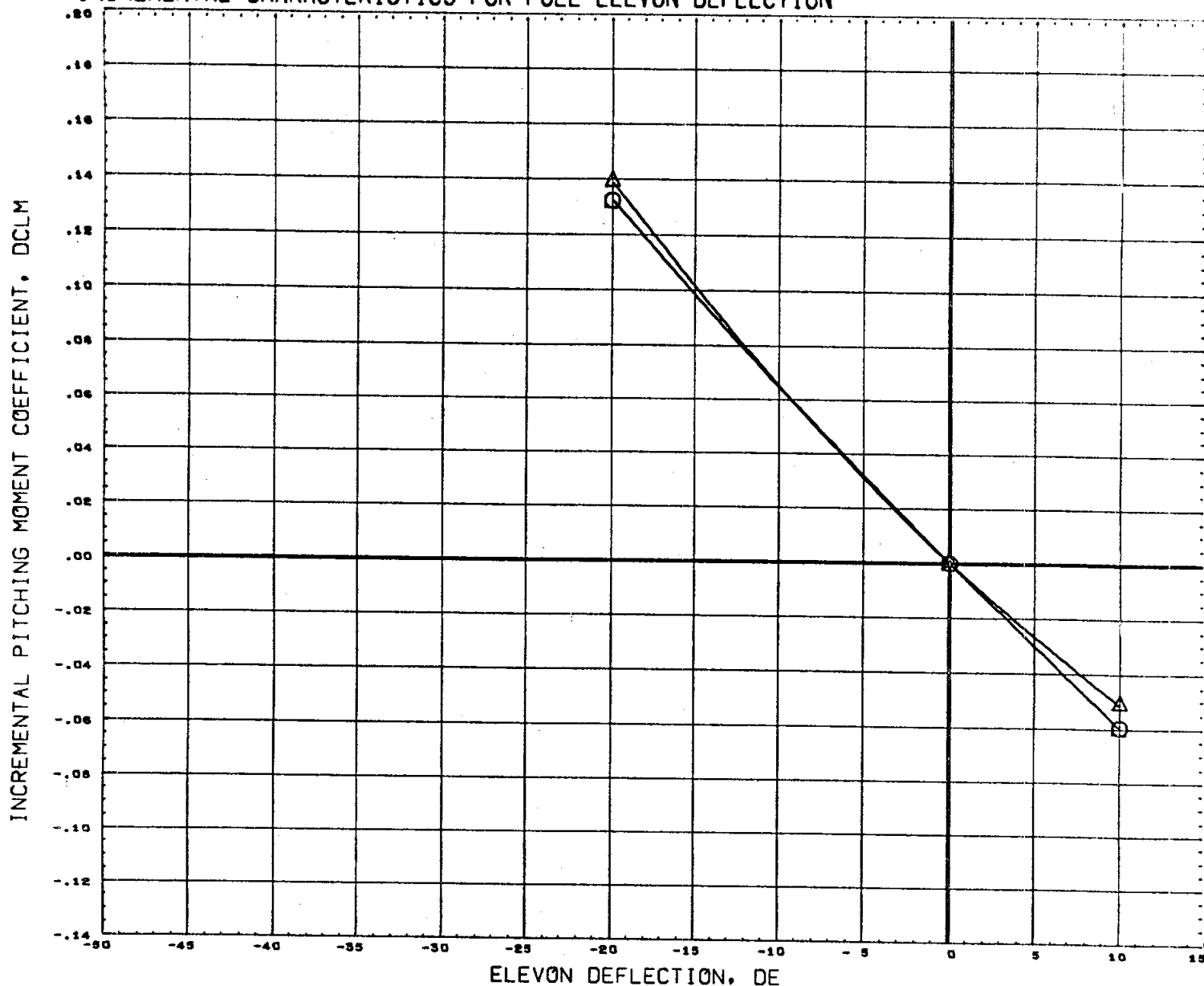


SYMBOL	ALPHA	PARAMETRIC VALUES			
○	0.000	MACH	0.600	BETA	0.000
△	10.000	CONFIG	3.000	RUDDER	0.000
◇	20.000	RUDFLR	10.000	AILRON	0.000
		OBDAIL	0.000	IBDAIL	0.000

DATA HIST. CODE I*CGI

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

INCREMENTAL CHARACTERISTICS FOR FULL ELEVON DEFLECTION

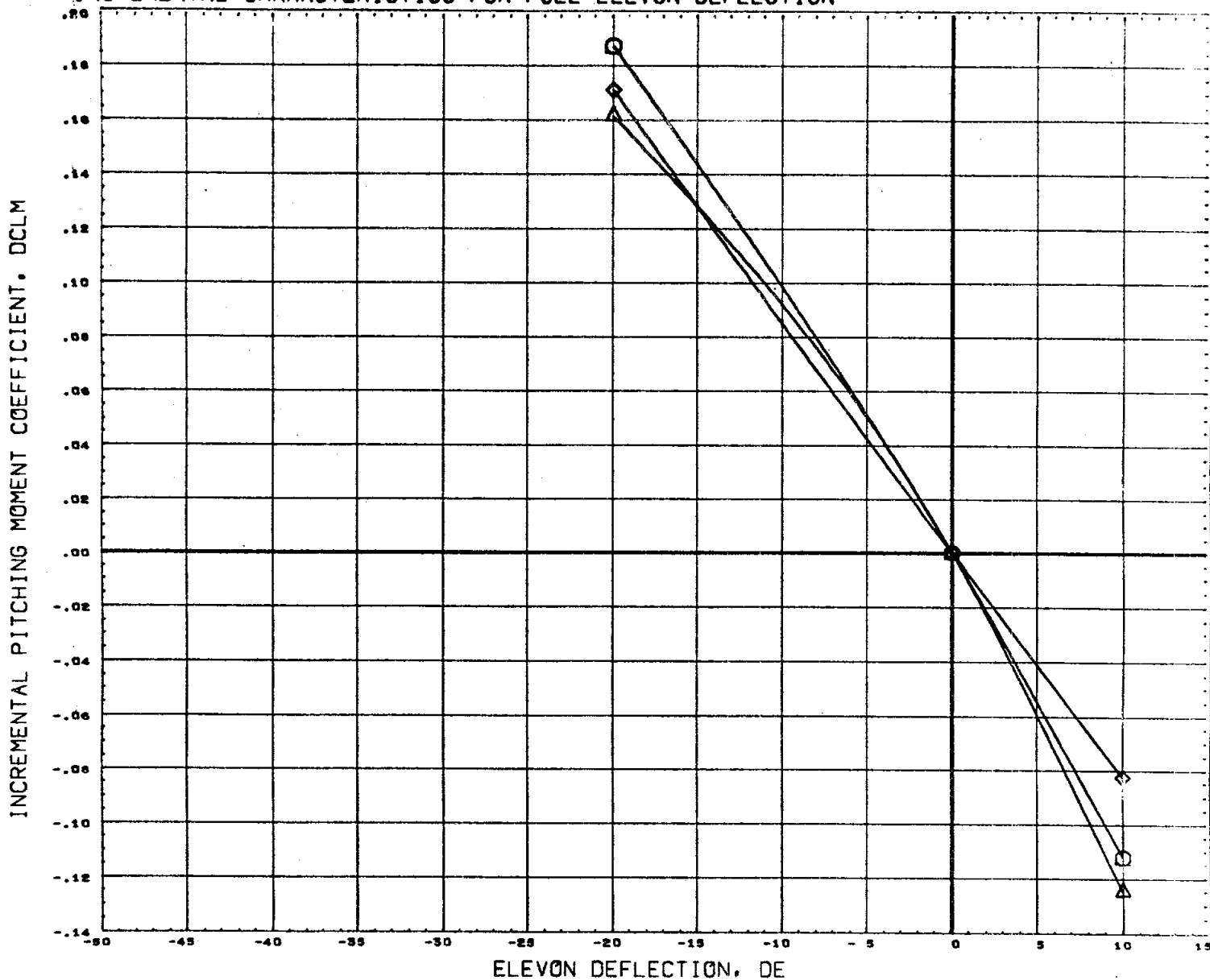


SYMBOL	ALPHA	PARAMETRIC VALUES			
○	30.000	MACH	0.600	BETA	0.000
△	40.000	CONFIG	3.000	RUDDER	0.000
		RUDFLR	10.000	AILRON	0.000
		OSDAIL	0.000	ISDAIL	0.000

DATA HIST. CODE I*CGI

REFERENCE INFORMATION		
SREF	7.4190	sq. in.
LREF	2.1020	in.
BREF	4.0300	in.
XMRP	3.4530	in.
YMRP	0.0000	in.
ZMRP	0.0000	in.
SCALE	0.0040	

INCREMENTAL CHARACTERISTICS FOR FULL ELEVON DEFLECTION

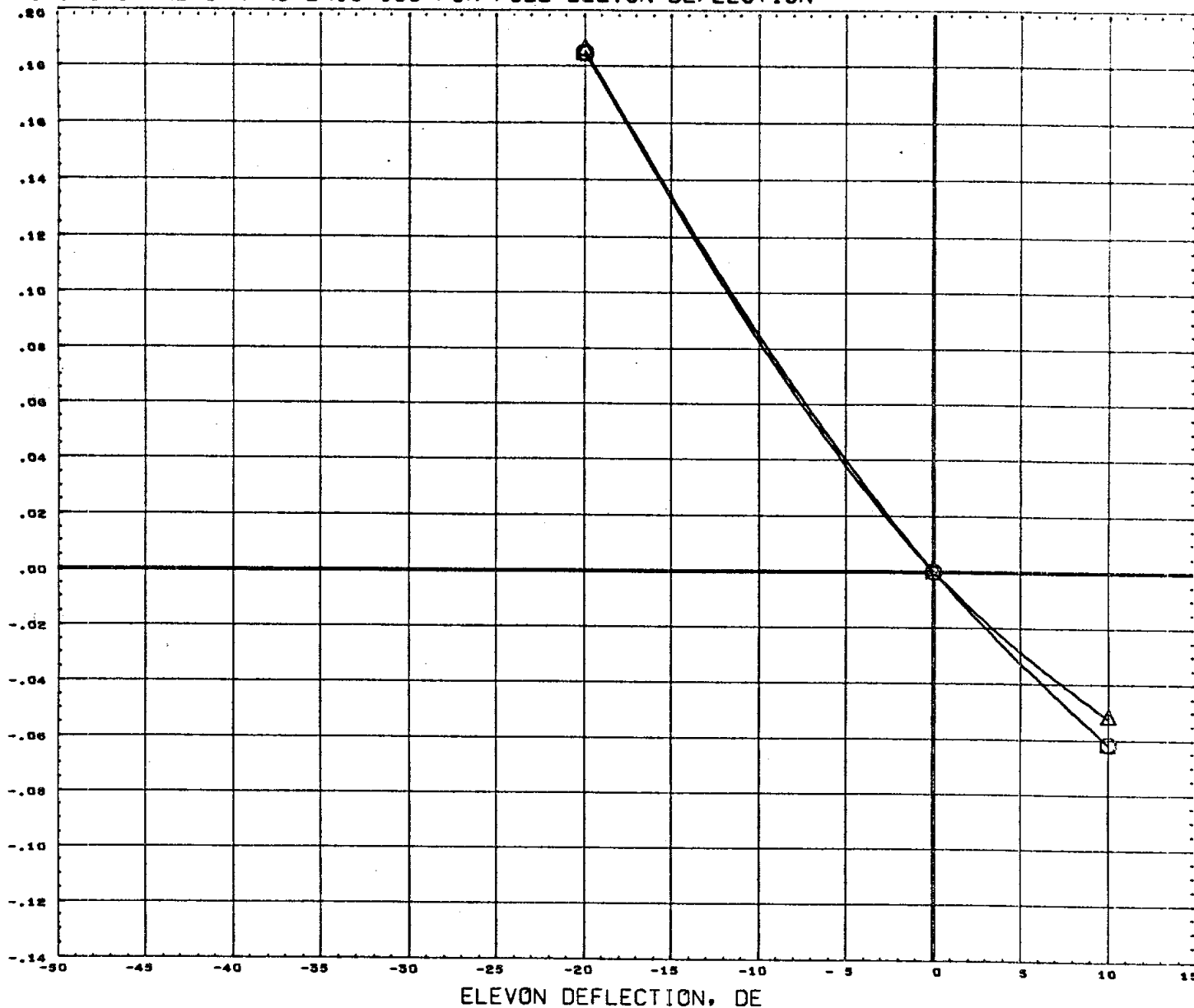


SYMBOL	PARAMETRIC VALUES				REFERENCE INFORMATION	
	ALPHA	MACH	BETA			
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◇	10.000	3.000	0.000		LREF	2.1020 IN.
△	20.000	10.000	0.000		BREF	4.0300 IN.
		0.000	0.000		XMRP	3.4530 IN.
		0.000	0.000		YMRP	0.0000 IN.
					ZMRP	0.0000 IN.
					SCALE	0.0040

DATA HIST. CODE I+C*GI

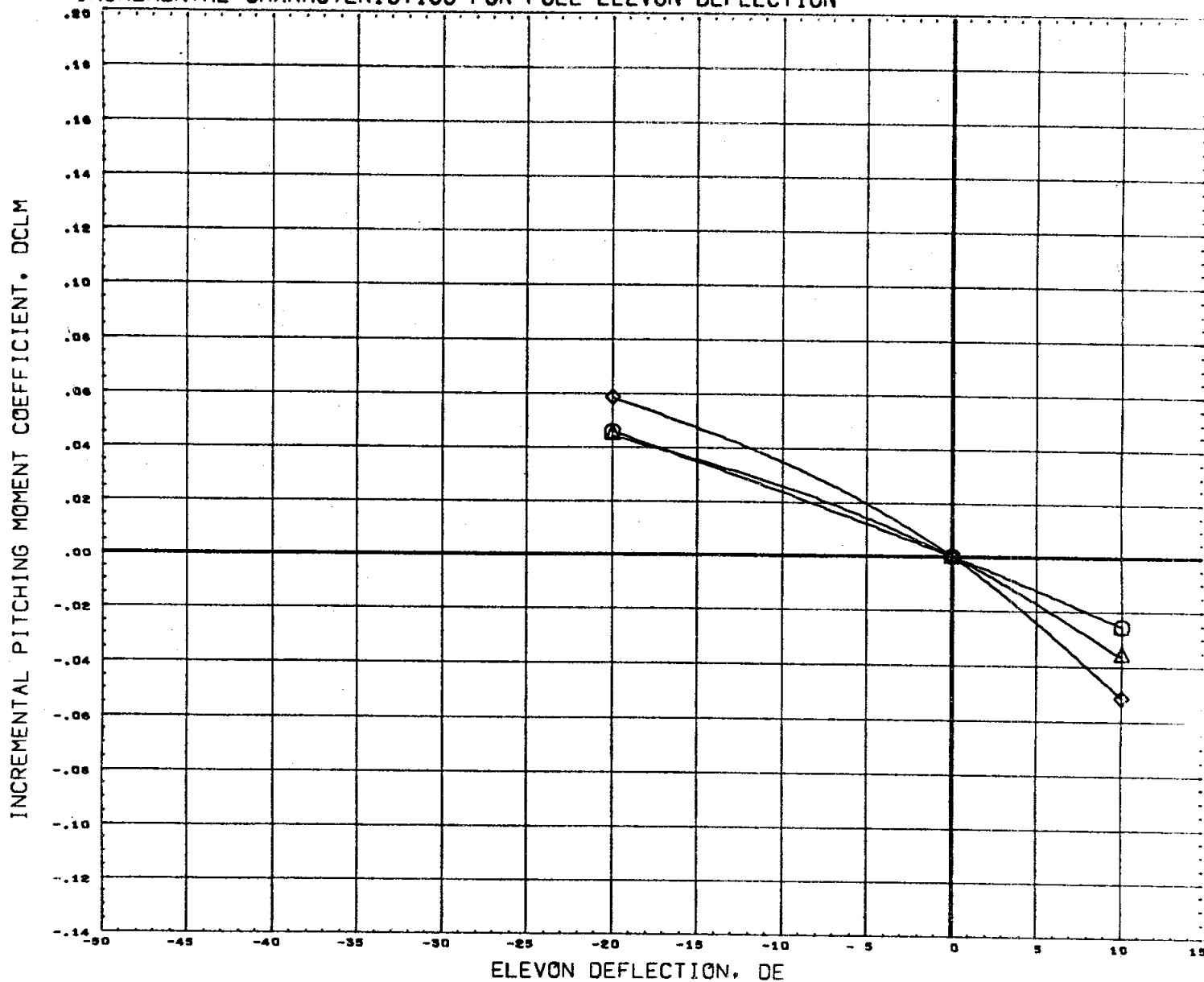
INCREMENTAL CHARACTERISTICS FOR FULL ELEVEN DEFLECTION

INCREMENTAL PITCHING MOMENT COEFFICIENT, DCLM



SYMBOL		PARAMETRIC VALUES				REFERENCE INFORMATION		
	ALPHA							
	30.000	MACH	0.900	BETA	0.000	SREF	7.4190	SQ. IN.
	40.000	CONFIG	3.000	RUDDER	0.000	LREF	2.1020	IN.
		RUDFLR	10.000	AILRON	0.000	BREF	4.0300	IN.
		OBDAIL	0.000	IBDAIL	0.000	XMRP	3.4530	IN.
						YMRP	0.0000	IN.
						ZMRP	0.0000	IN.
						SCALE	0.0040	
DATA HIST. CODE I+C*G1								

INCREMENTAL CHARACTERISTICS FOR FULL ELEVON DEFLECTION



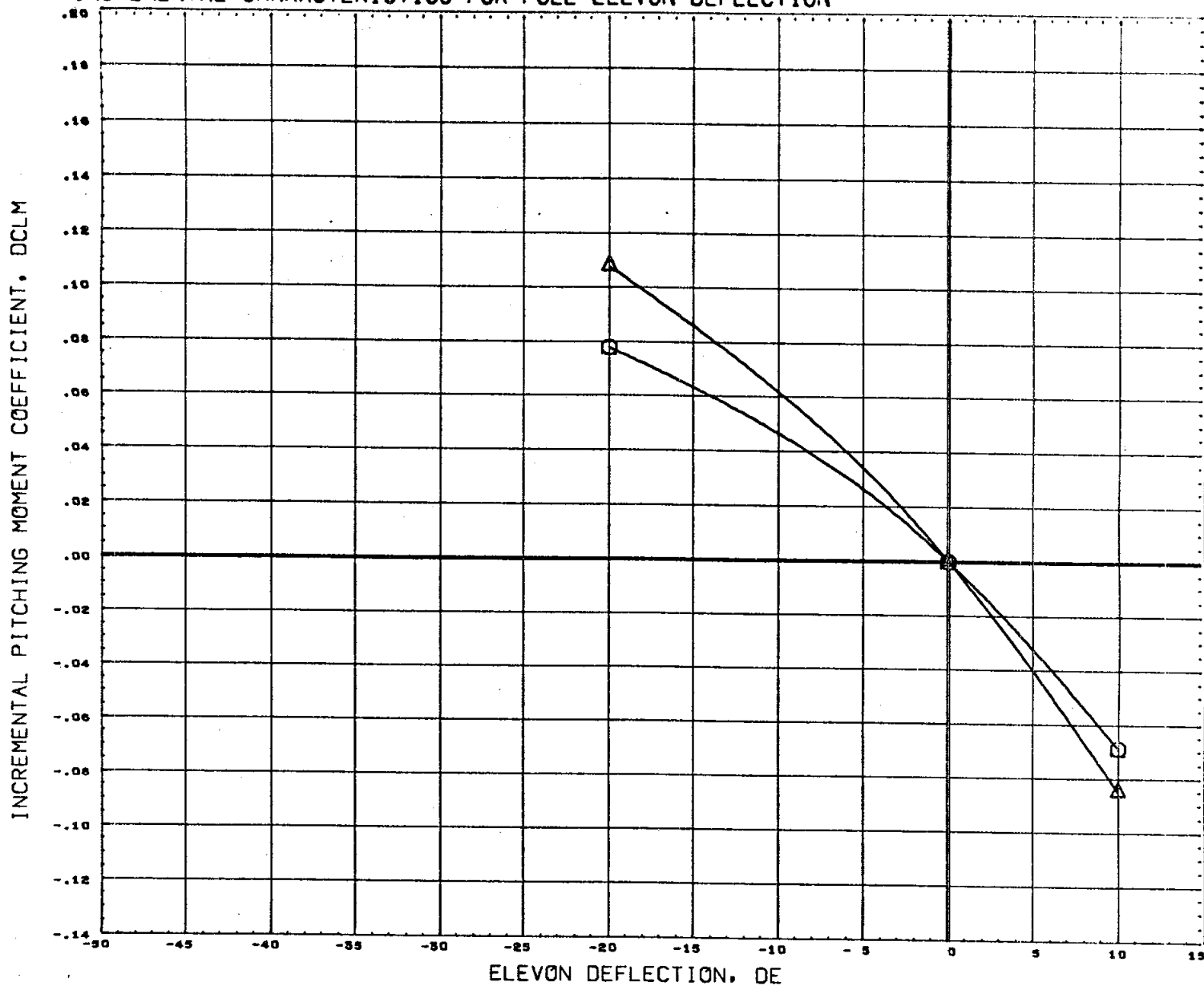
ELEVON DEFLECTION, DE

SYMBOL	ALPHA	PARAMETRIC VALUES			
○	0.000	MACH	2.990	BETA	0.000
△	10.000	CONFIG	3.000	RUDDER	0.000
◇	20.000	RUDFLR	10.000	AILRON	0.000
		OSDAIL	0.000	ISDAIL	0.000

DATA HIST. CODE I*CGI

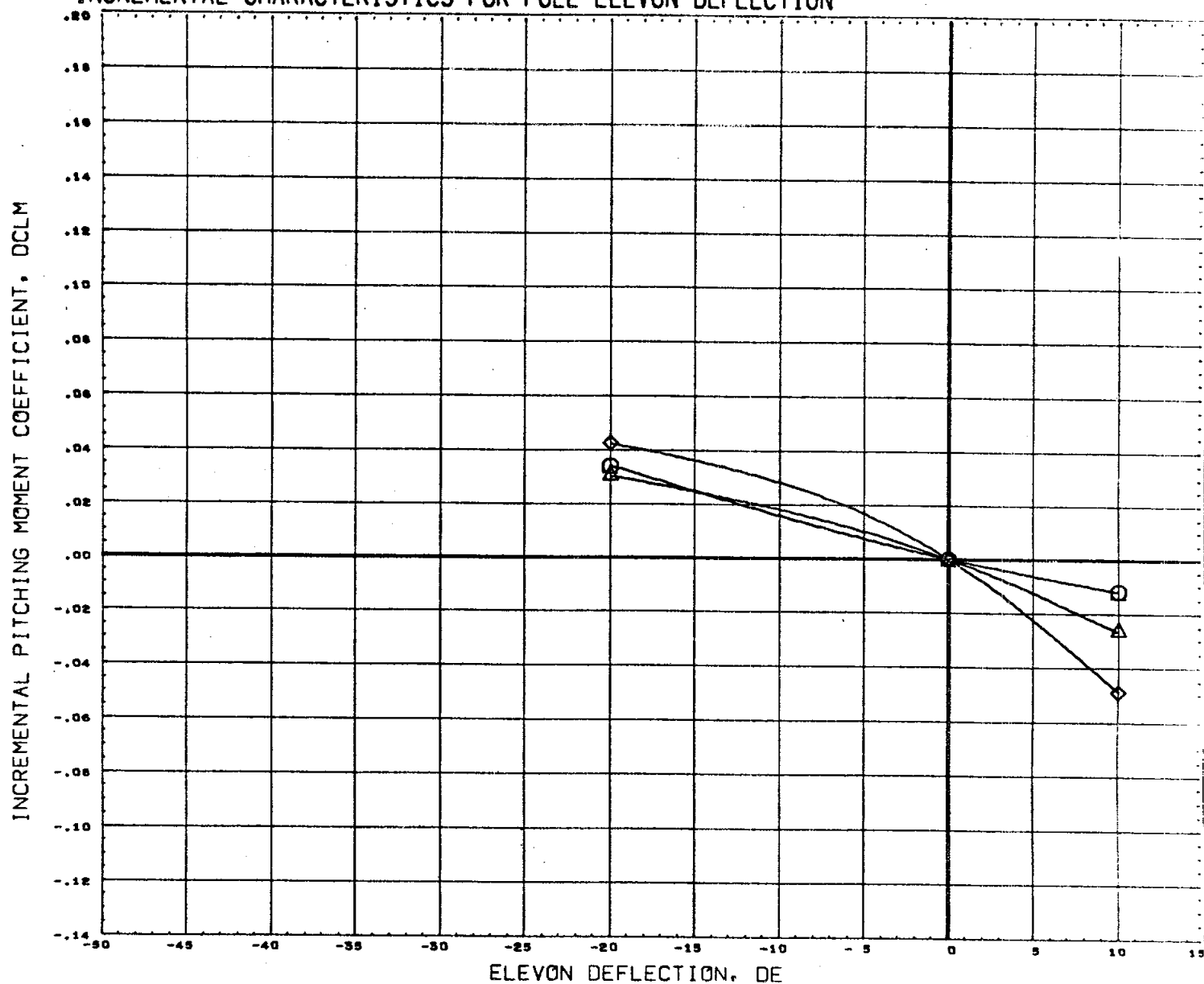
REFERENCE INFORMATION		
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LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

INCREMENTAL CHARACTERISTICS FOR FULL ELEVON DEFLECTION



SYMBOL		PARAMETRIC VALUES				REFERENCE INFORMATION	
<div> <div></div> <div></div> </div>	ALPHA					SREF	7.4190
	30.000	MACH	2.990	BETA	0.000	LREF	2.1020
	40.000	CONFIG	3.000	RUDDER	0.000	SREF	4.0300
		RUDFLR	10.000	AILRON	0.000	XMRP	3.4530
		OBDAIL	0.000	IBDAIL	0.000	YMRP	0.0000
						ZMRP	0.0000
						SCALE	0.0040
DATA HIST. CODE		I*CGI					

INCREMENTAL CHARACTERISTICS FOR FULL ELEVON DEFLECTION



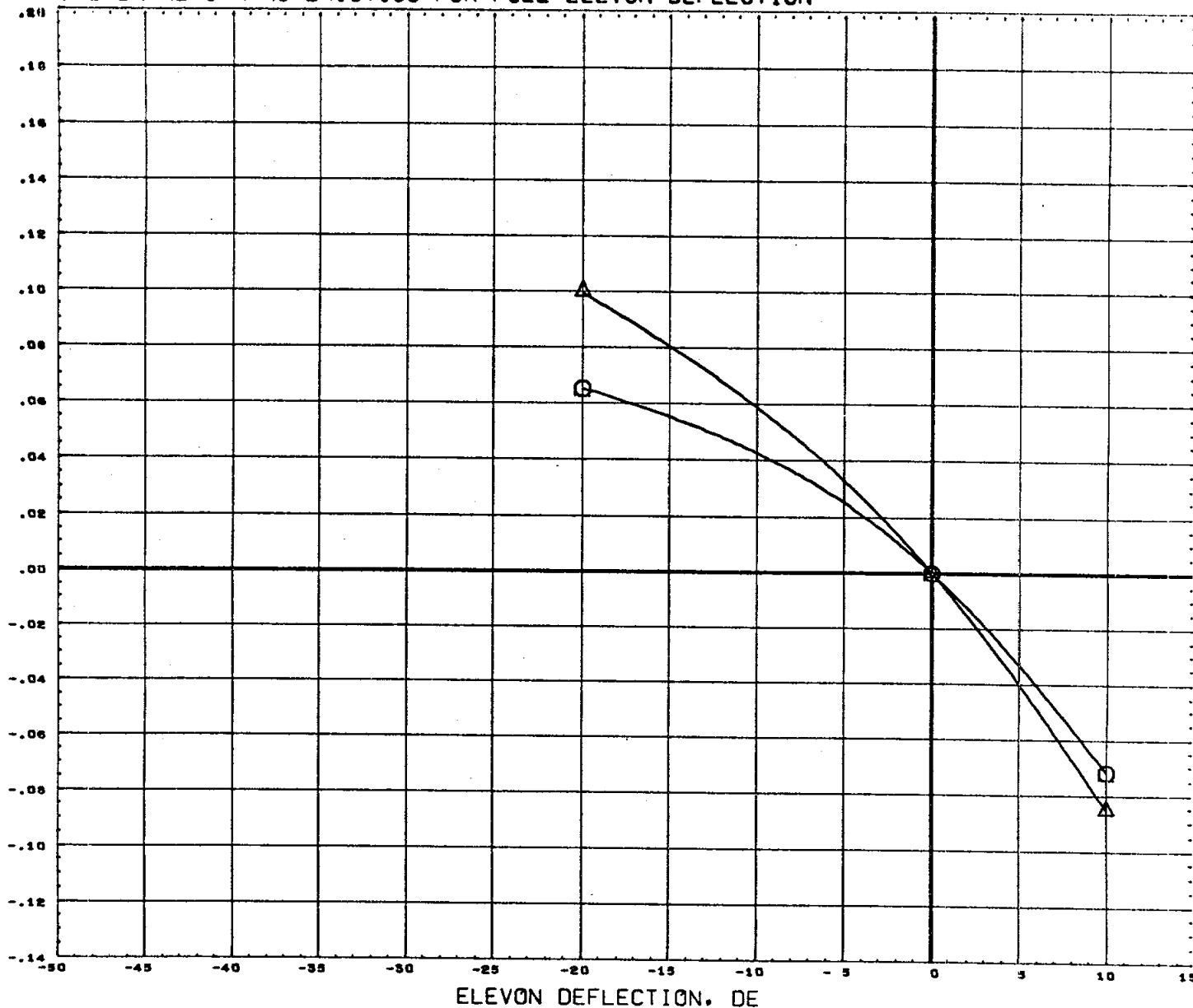
SYMBOL	ALPHA	PARAMETRIC VALUES			
○	0.000	MACH	4.960	BETA	0.000
△	10.000	CONFIG	3.000	RUDDER	0.000
◇	20.000	RUDFLR	10.000	AILRON	0.000
		OSDAIL	0.000	ISDAIL	0.000

DATA HIST. CODE I*CGI

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

INCREMENTAL CHARACTERISTICS FOR FULL ELEVON DEFLECTION

INCREMENTAL PITCHING MOMENT COEFFICIENT, DCLM

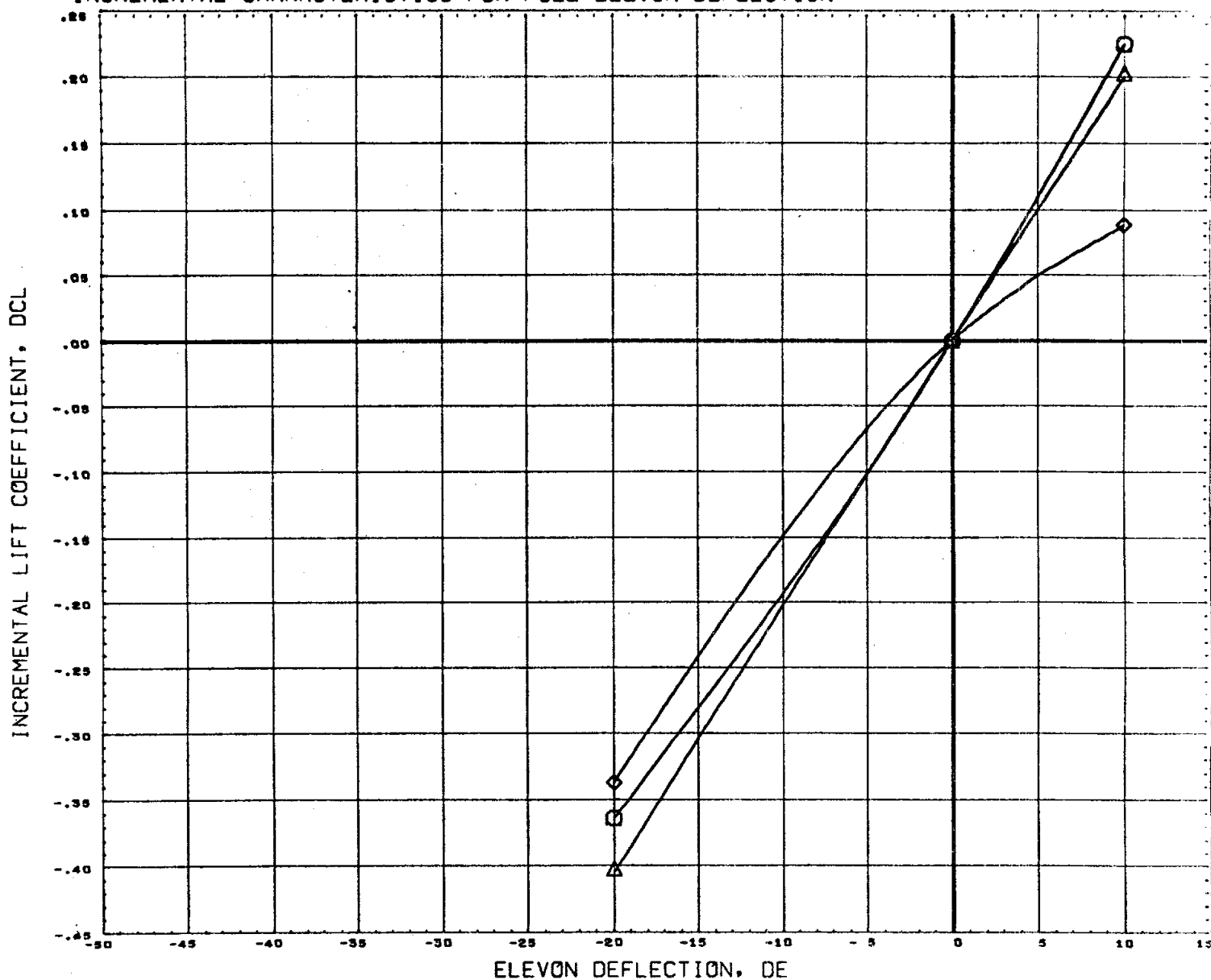


SYMBOL	ALPHA	PARAMETRIC VALUES			
○	30.000	MACH	4.960	BETA	0.000
△	40.000	CONFIG	3.000	RUDDER	0.000
		RUDFLR	10.000	AILRON	0.000
		OSDAIL	0.000	ISDAIL	0.000

DATA HIST. CODE 14C4G1

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

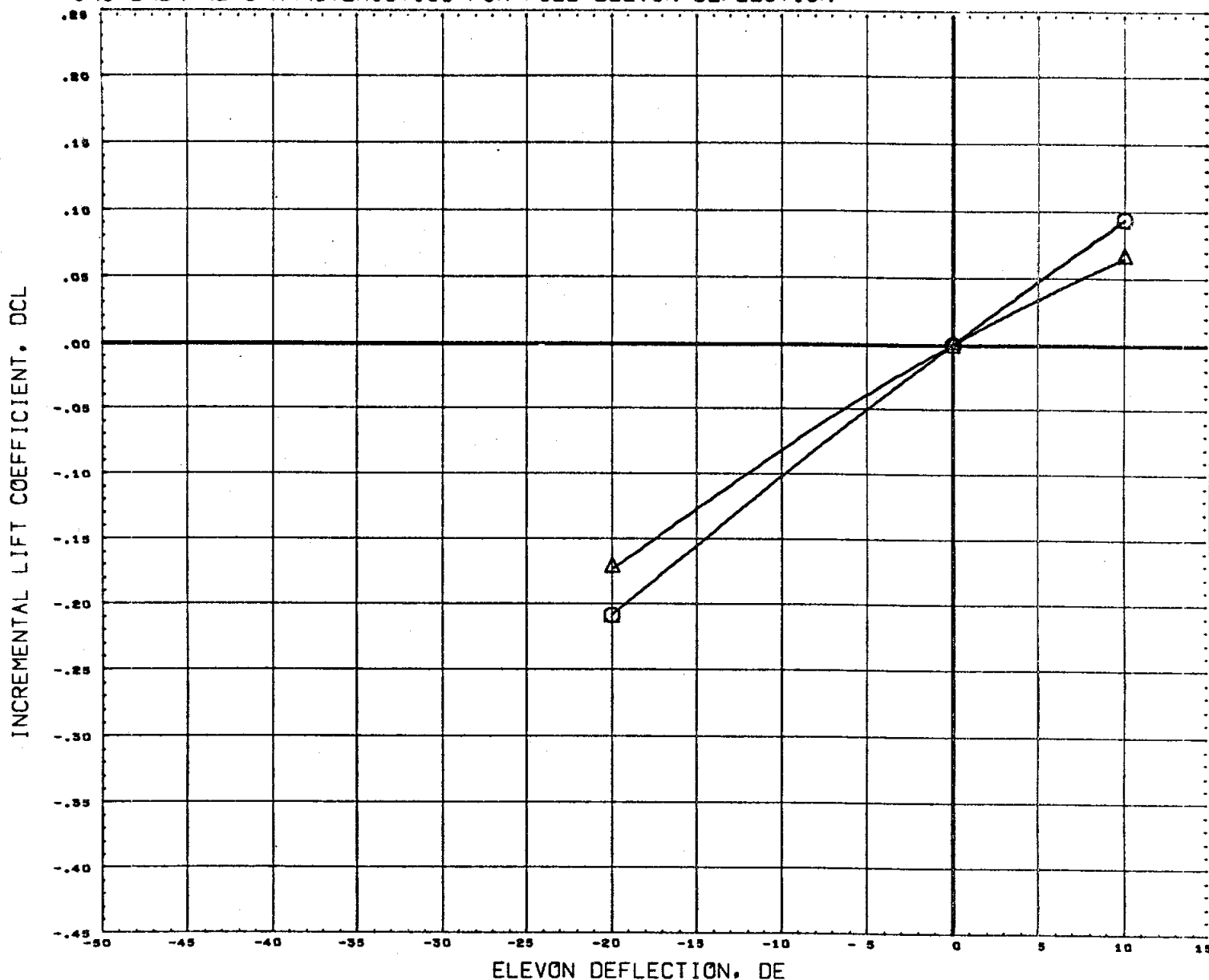
INCREMENTAL CHARACTERISTICS FOR FULL ELEVON DEFLECTION



SYMBOL	PARAMETRIC VALUES				REFERENCE INFORMATION	
	ALPHA	MACH	BETA			
○	0.000	0.000	0.000		SREF	7.4190 SQ. IN.
△	10.000	3.000	0.000	RUDDER	LREF	2.1020 IN.
◇	20.000	10.000	0.000	AILRON	BREF	4.0300 IN.
		0.000	0.000	IBDAIL	XMRP	3.4530 IN.
					YMRP	0.0000 IN.
					ZMRP	0.0000 IN.
					SCALE	0.0040

DATA HIST. CODE I4C*61

INCREMENTAL CHARACTERISTICS FOR FULL ELEVON DEFLECTION

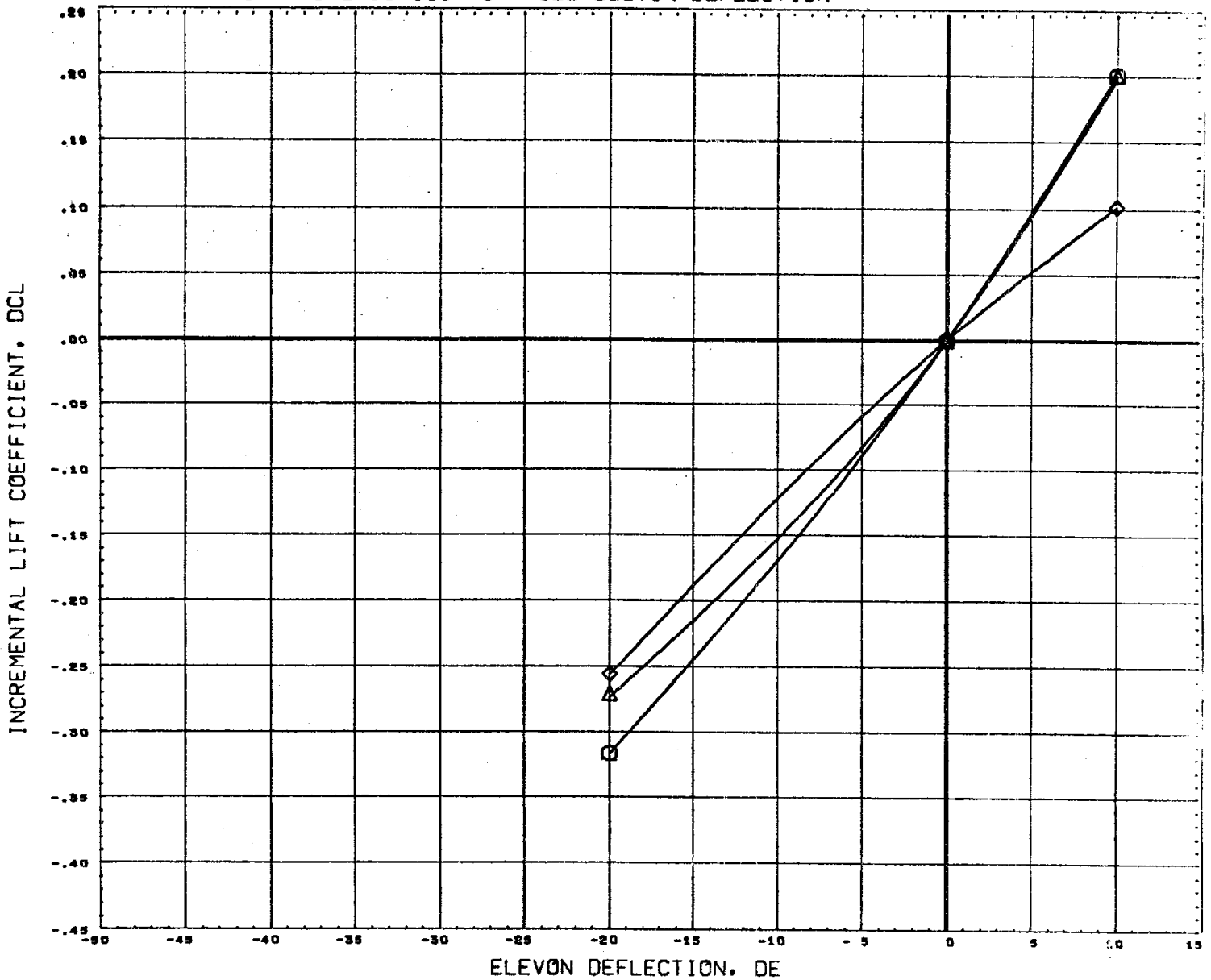


SYMBOL	ALPHA	PARAMETRIC VALUES			
○	30.000	MACH	0.600	BETA	0.000
△	40.000	CONFIG	3.000	RUDDER	0.000
		RUDFLR	10.000	ATLRON	0.000
		OBDAIL	0.000	IBDAIL	0.000

DATA HIST. CODE I*CGI

REFERENCE INFORMATION		
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LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4330	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

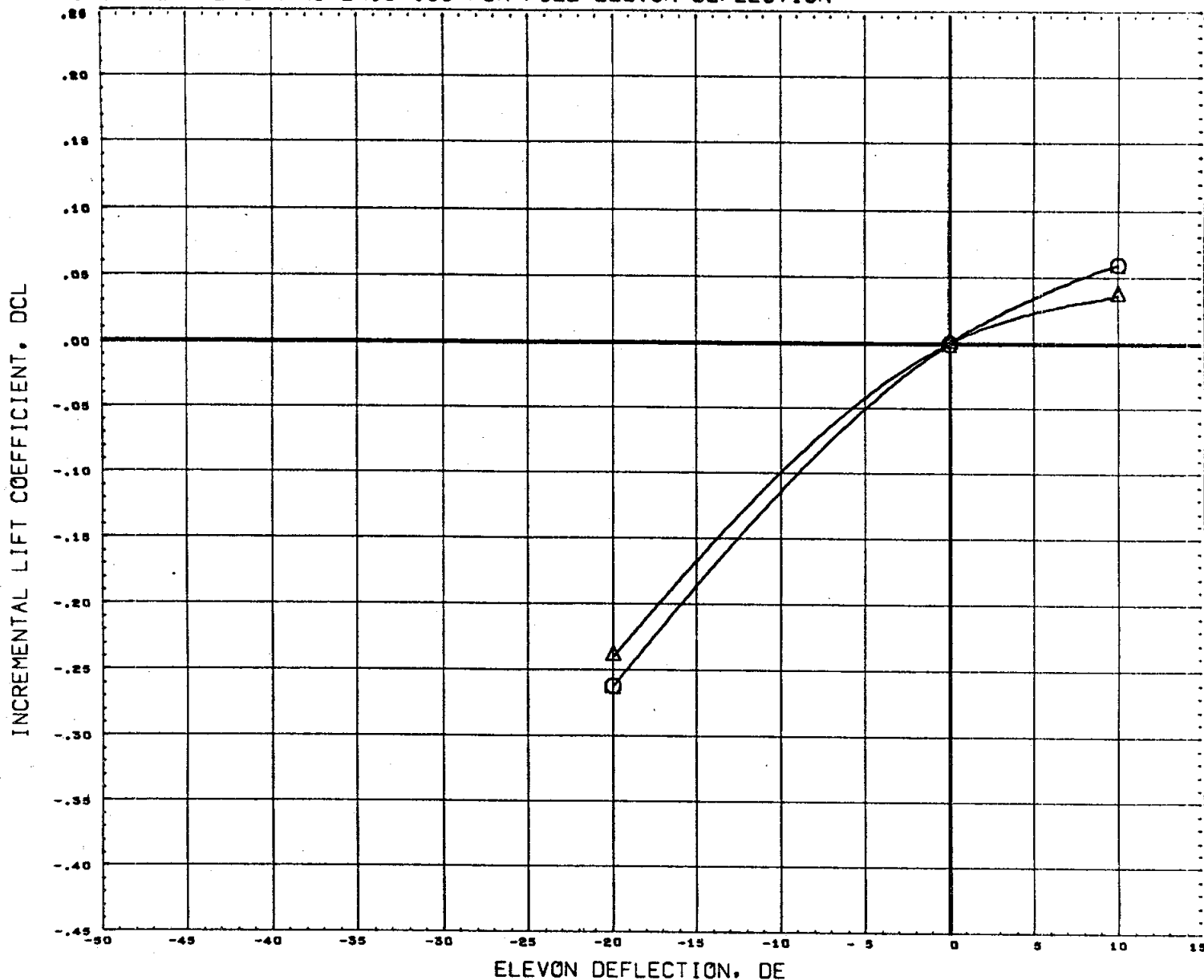
INCREMENTAL CHARACTERISTICS FOR FULL ELEVON DEFLECTION



SYMBOL		PARAMETRIC VALUES				REFERENCE INFORMATION			
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△	10.000	CONFIG	3.000	RUDDER	0.000		LREF	2.1020	IN.
◇	20.000	RUDFLR	10.000	AILRON	0.000		BREF	4.0500	IN.
		OSDAIL	0.000	IBDAIL	0.000		XMRP	3.4330	IN.
							YMRP	0.0000	IN.
							ZMRP	0.0000	IN.
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		DATA MIST. CODE		I*CGI					

DATA HIST. CODE 1*0*61

INCREMENTAL CHARACTERISTICS FOR FULL ELEVON DEFLECTION

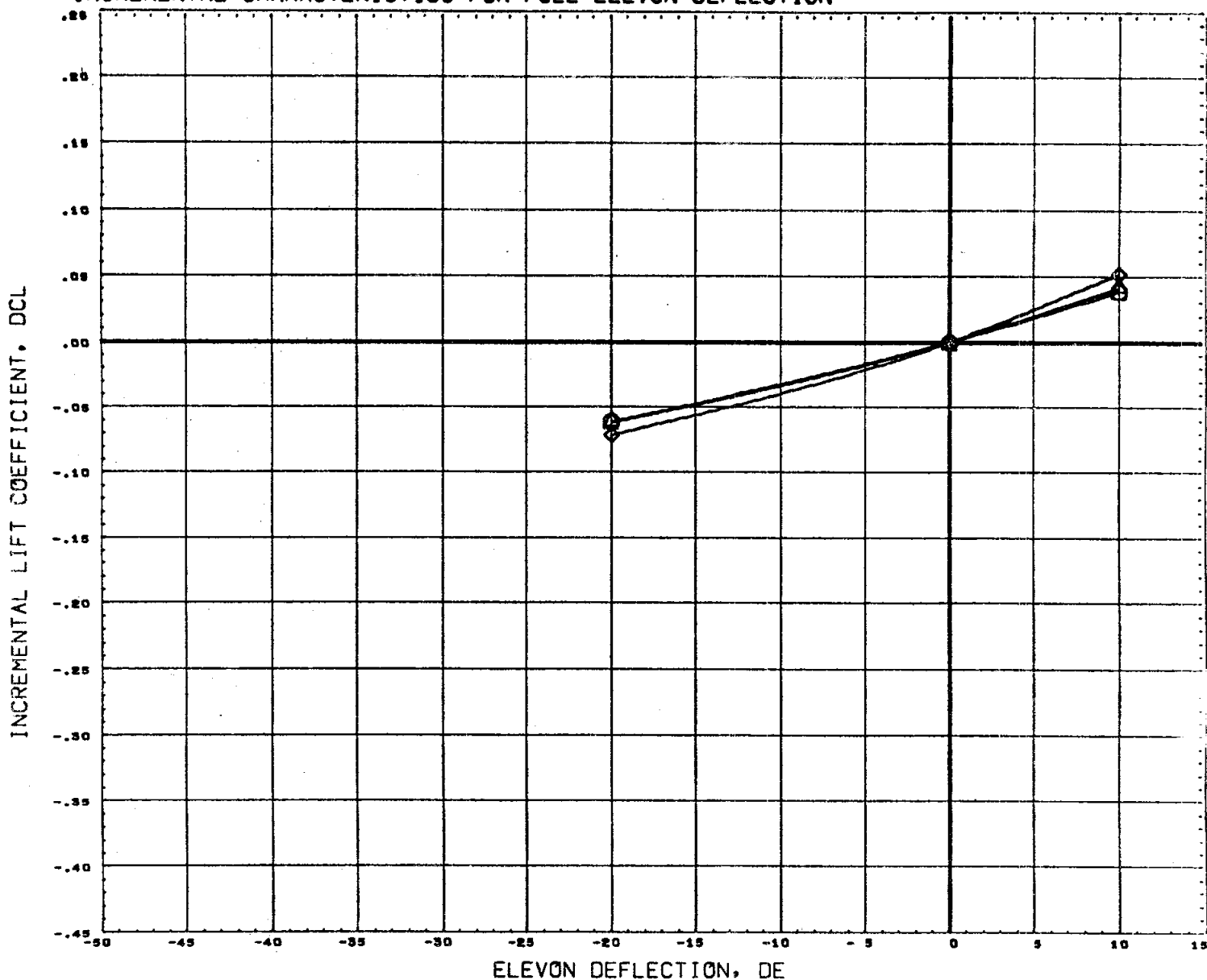


SYMBOL	ALPHA	PARAMETRIC VALUES			
○	30.000	MACH	0.900	BETA	0.000
△	40.000	CONFIG	3.000	RUDDER	0.000
		RUDFLR	10.000	AILRON	0.000
		OSDAIL	0.000	ISDAIL	0.000

DATA HIST. CODE I+C+G1

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4330	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

INCREMENTAL CHARACTERISTICS FOR FULL ELEVON DEFLECTION

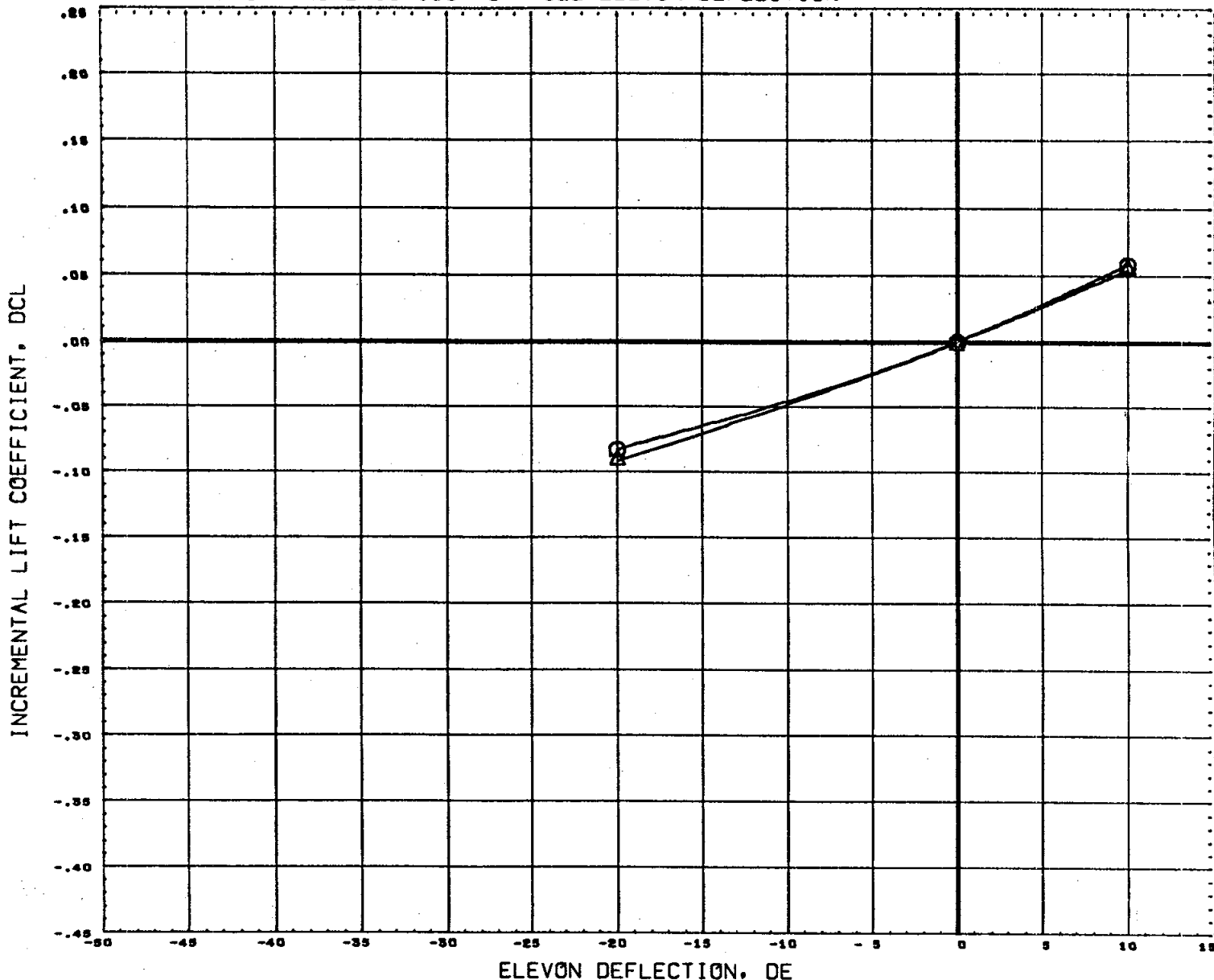


SYMBOL	ALPHA	PARAMETRIC VALUES			
○	0.000	MACH	2.990	BETA	0.000
△	10.000	CONFIG	3.000	RUDDER	0.000
◇	20.000	RUDFLR	10.000	AILRON	0.000
		OSDAIL	0.000	ISDAIL	0.000

DATA HIST. CODE I*CGI

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRF	3.4530	IN.
YMRF	0.0000	IN.
ZMRF	0.0000	IN.
SCALE	0.0040	

INCREMENTAL CHARACTERISTICS FOR FULL ELEVON DEFLECTION

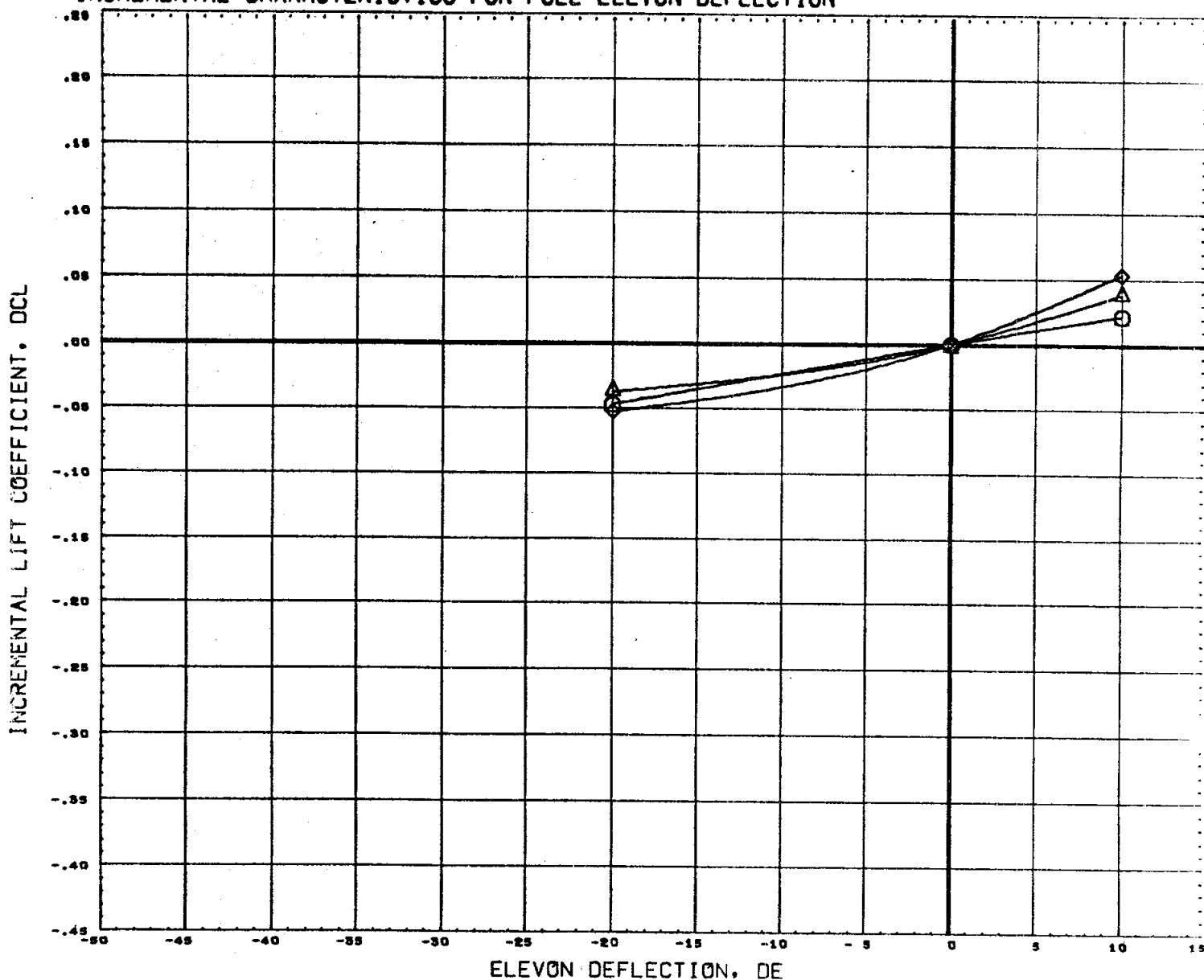


SYMBOL	ALPHA	PARAMETRIC VALUES			
Q	30.000	MACH	2.990	BETA	0.000
	40.000	CONFIG	3.000	RUDDER	0.000
		RUDFLR	10.000	AILRON	0.000
		OSDAIL	0.000	ISDAIL	0.000

DATA HIST. CODE I+C+G

REFERENCE INFORMATION		
SREF	7.4190	59. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

INCREMENTAL CHARACTERISTICS FOR FULL ELEVON DEFLECTION

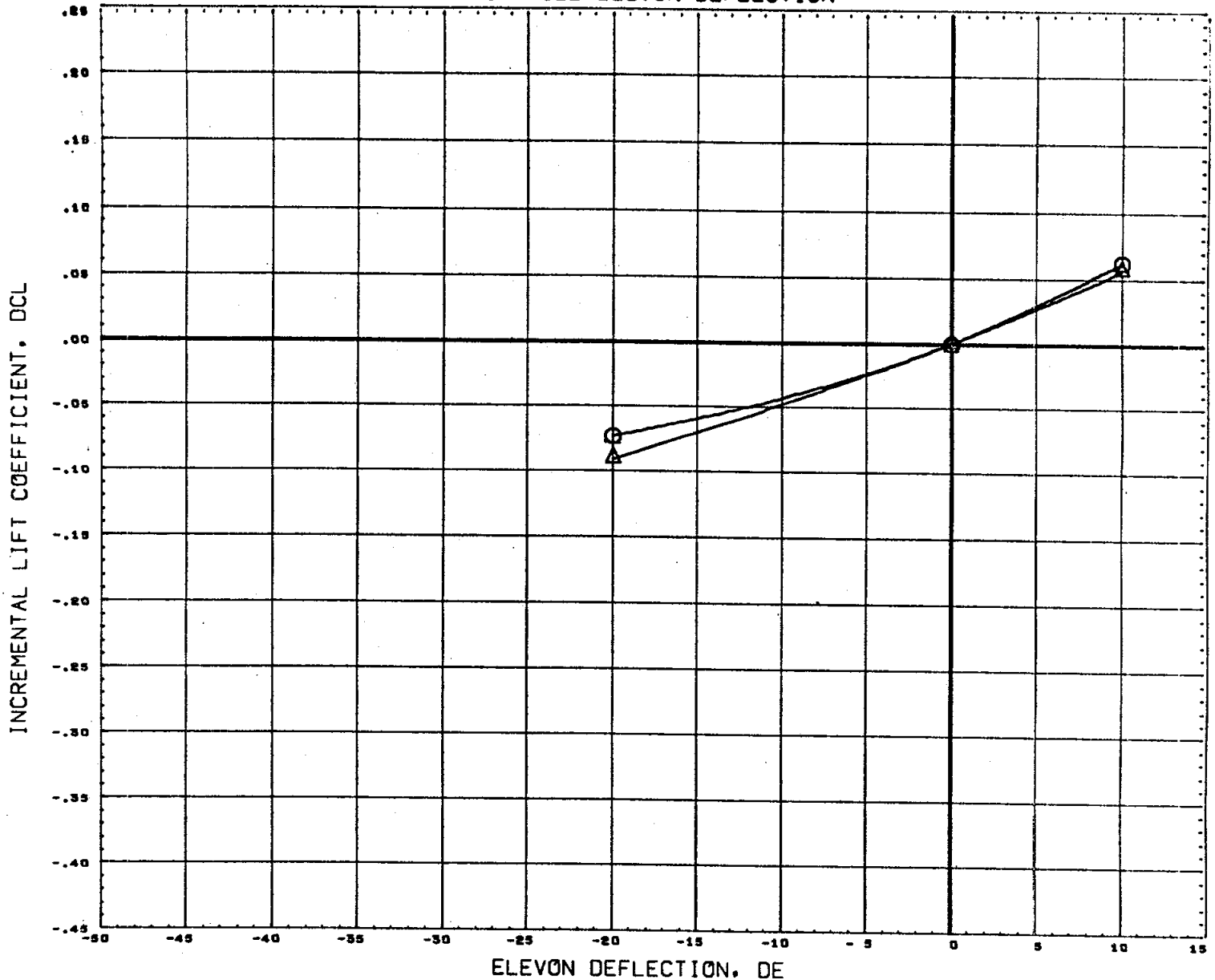


SYMBOL	ALPHA	MACH	PARAMETRIC VALUES	BETA	
○	0.000	4.960	3.000	0.000	
△	10.000	CONFIG	10.000	0.000	
◇	20.000	RUDFLR	0.000	0.000	
		ISDAIL	0.000	0.000	

DATA HIST. CODE 1+C+G1

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

INCREMENTAL CHARACTERISTICS FOR FULL ELEVON DEFLECTION

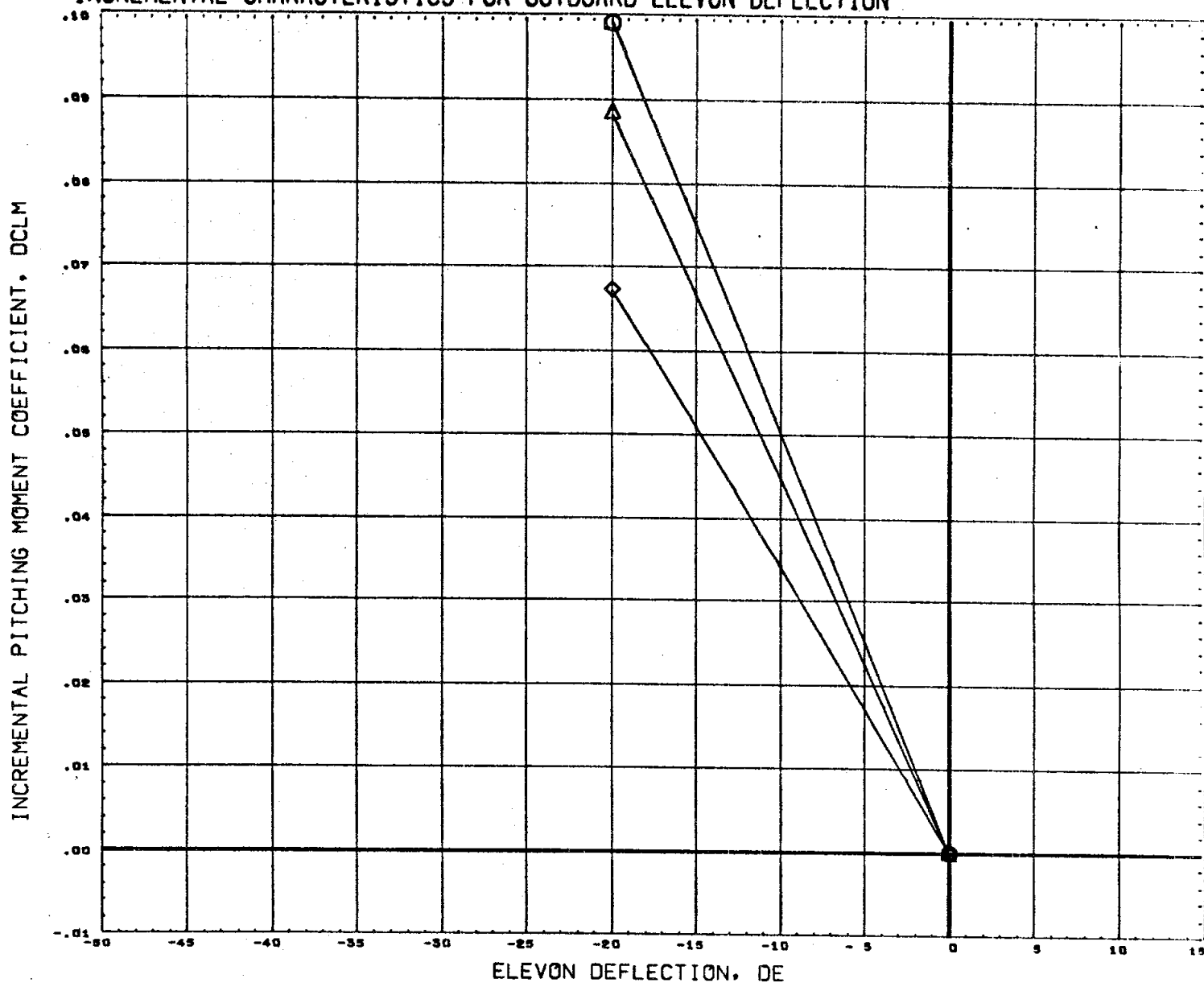


SYMBOL	ALPHA	PARAMETRIC VALUES			
○	30.000	MACH	4.960	BETA	0.000
△	40.000	CONFIG	3.000	RUDDER	0.000
		RUDFLR	10.000	AILRON	0.000
		OSDAIL	0.000	ISDAIL	0.000

DATA HIST. CODE I*G*EI

REFERENCE INFORMATION		
SREF	7.4190	sq. in.
LREF	2.1020	in.
BREF	4.0300	in.
XMRP	3.4530	in.
YMRP	0.0000	in.
ZMRP	0.0000	in.
SCALE	0.0040	

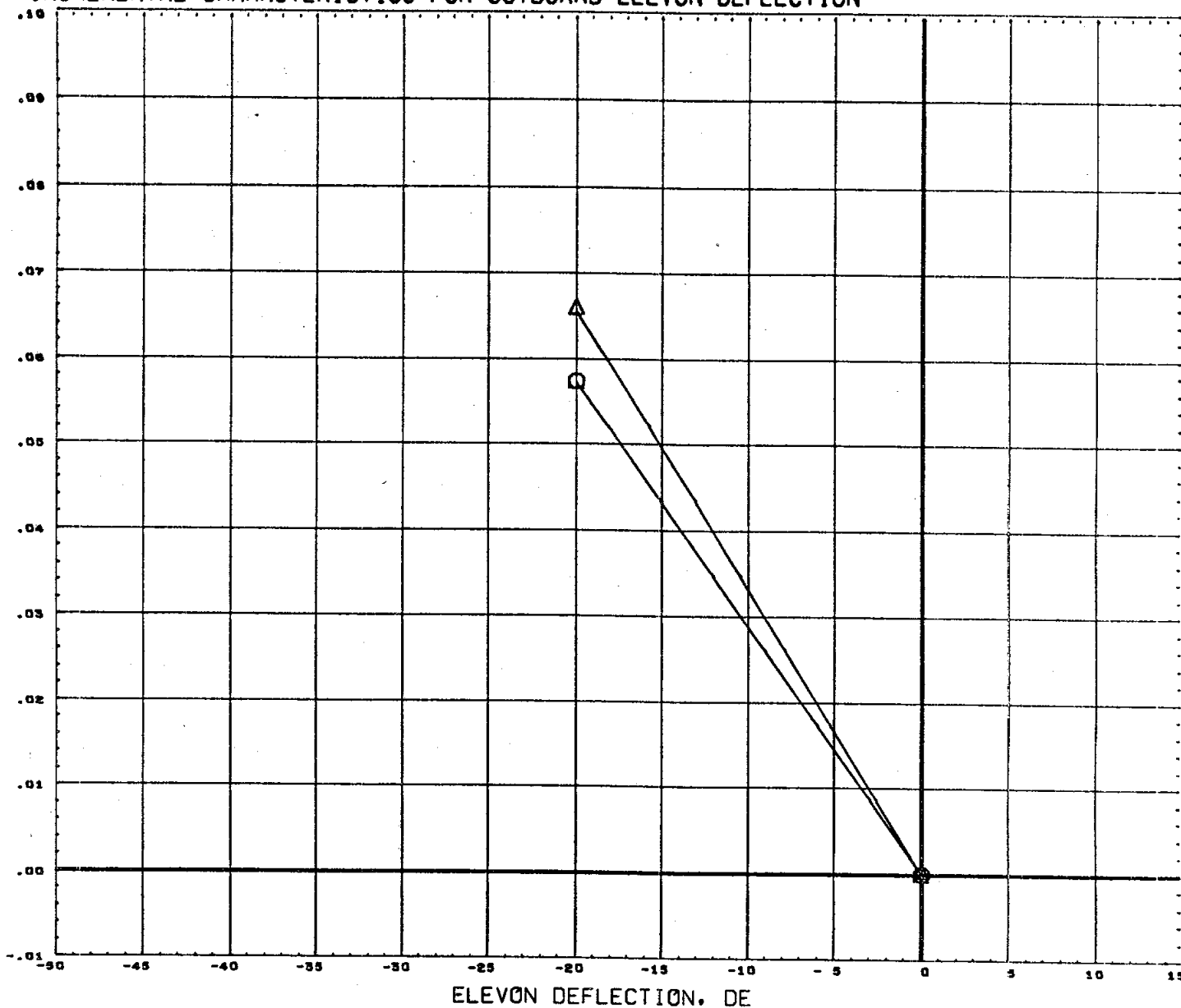
INCREMENTAL CHARACTERISTICS FOR OUTBOARD ELEVON DEFLECTION



SYMBOL	ALPHA	PARAMETRIC VALUES				REFERENCE INFORMATION	
○	0.000	MACH	0.600	BETA	0.000	SREF	7.4190 SQ. IN.
△	10.000	CONFIG	3.000	RUDDER	0.000	LREF	2.1020 IN.
◇	20.000	RUDFLR	10.000	OBDELV	0.000	BREF	4.0300 IN.
		IBDELV	0.000	AILRON	0.000	XMRP	3.4530 IN.
		OBDAIL	0.000	IBDAIL	0.000	YMRP	0.0000 IN.
		DATA HIST. CODE	I*%*I			ZMRP	0.0000 IN.
						SCALE	0.0040

INCREMENTAL CHARACTERISTICS FOR OUTBOARD ELEVON DEFLECTION

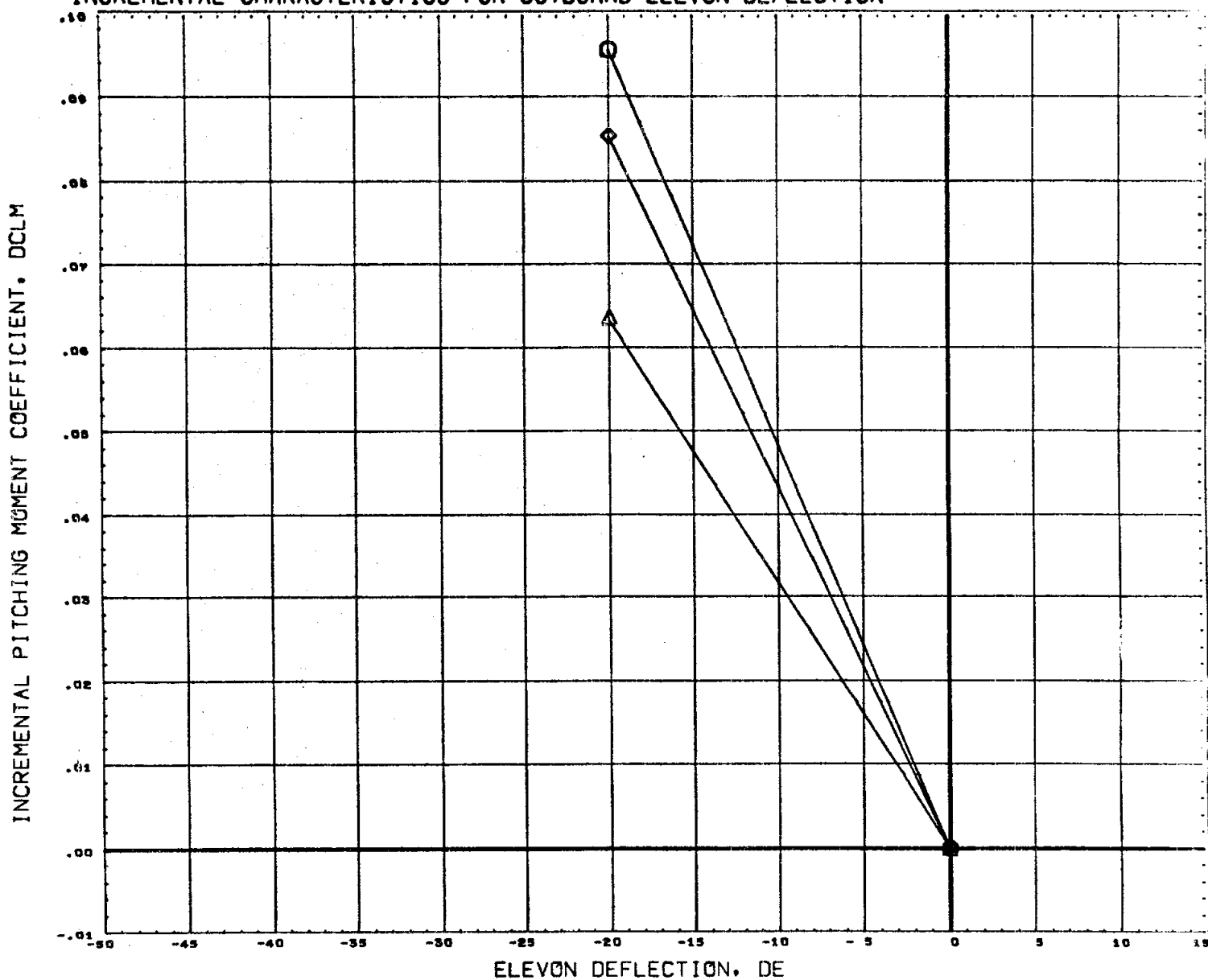
INCREMENTAL PITCHING MOMENT COEFFICIENT, DCLM



ELEVON DEFLECTION, DE

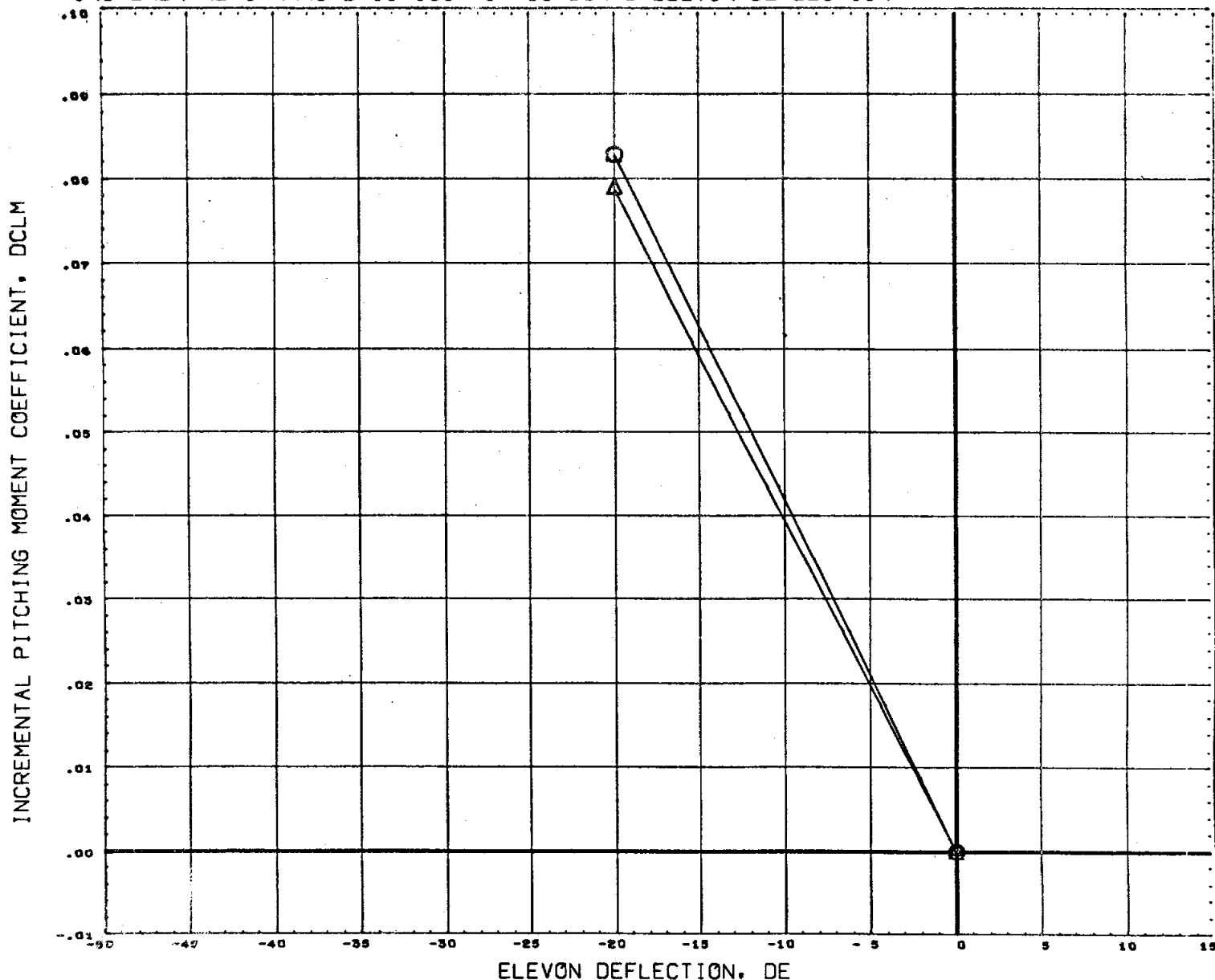
SYMBOL	ALPHA	PARAMETRIC VALUES				REFERENCE INFORMATION		
△	30.000	MACH	0.600	BETA	0.000	SREF	7.4190	SQ. IN.
	40.000	CONFIG	3.000	RUDDER	0.000	LREF	2.1020	IN.
		RUDFLR	10.000	OBDELV	0.000	BREF	4.0300	IN.
		IBDELV	0.000	AILRON	0.000	XMRP	3.4530	IN.
		OBDAIL	0.000	IBDAIL	0.000	YMRP	0.0000	IN.
		DATA HIST. CODE	I*CGI			ZMRP	0.0000	IN.
						SCALE	0.0040	

INCREMENTAL CHARACTERISTICS FOR OUTBOARD ELEVON DEFLECTION



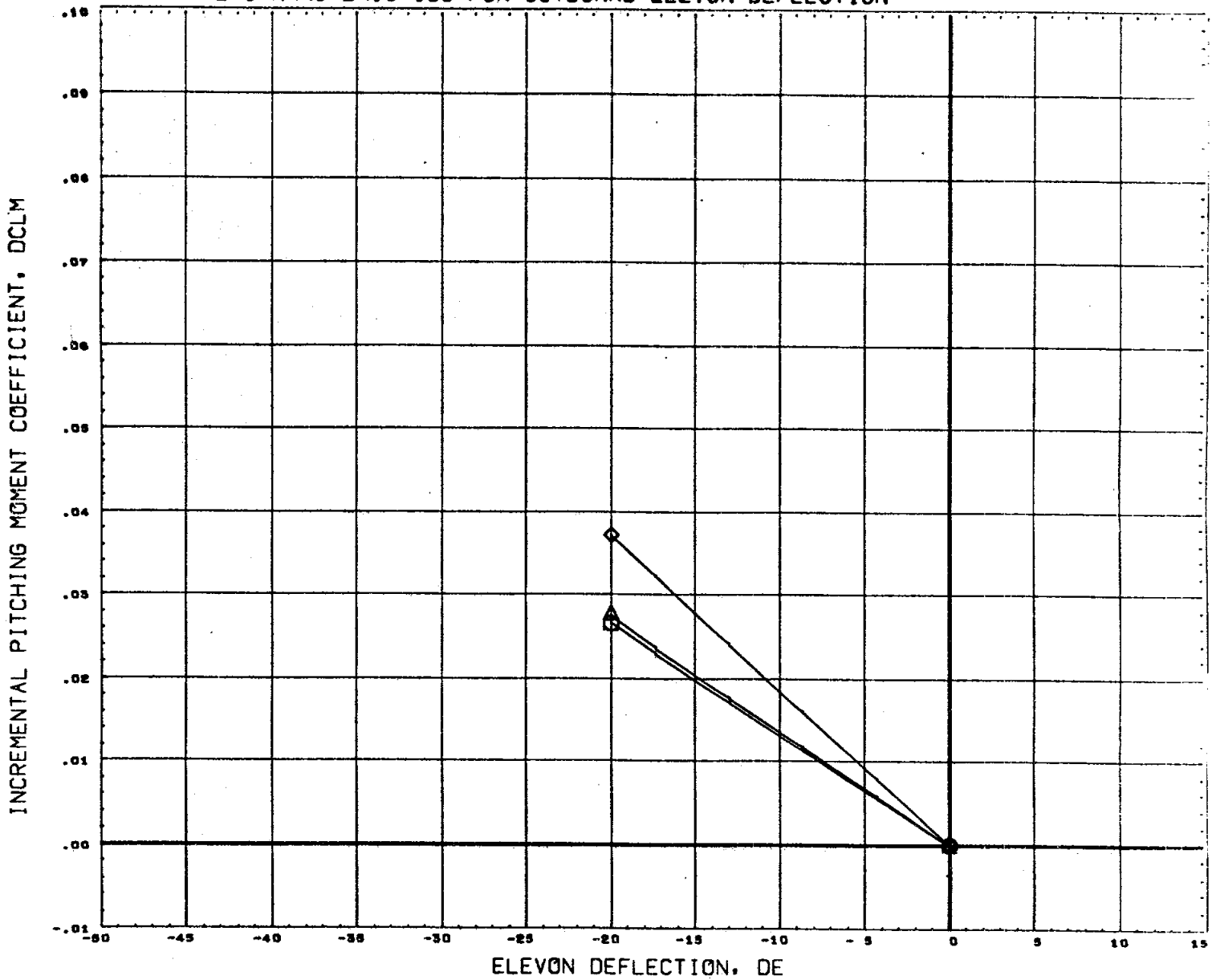
SYMBOL	ALPHA	PARAMETRIC VALUES				REFERENCE INFORMATION		
○	0.000	MACH	0.900	BETA	0.000	SREF	7.4190	SQ. IN.
△	10.000	CONFIG	3.000	RUDDER	0.000	LREF	2.1020	IN.
◇	20.000	RUDFLR	10.000	OBDELV	0.000	BREF	4.0500	IN.
		IBDELV	0.000	AILRON	0.000	XMRP	3.4530	IN.
		OBDAIL	0.000	IBDAIL	0.000	YMRP	0.0000	IN.
		DATA HIST. CODE	I*C*CI			ZMRP	0.0000	IN.
						SCALE	0.0040	

INCREMENTAL CHARACTERISTICS FOR OUTBOARD ELEVON DEFLECTION



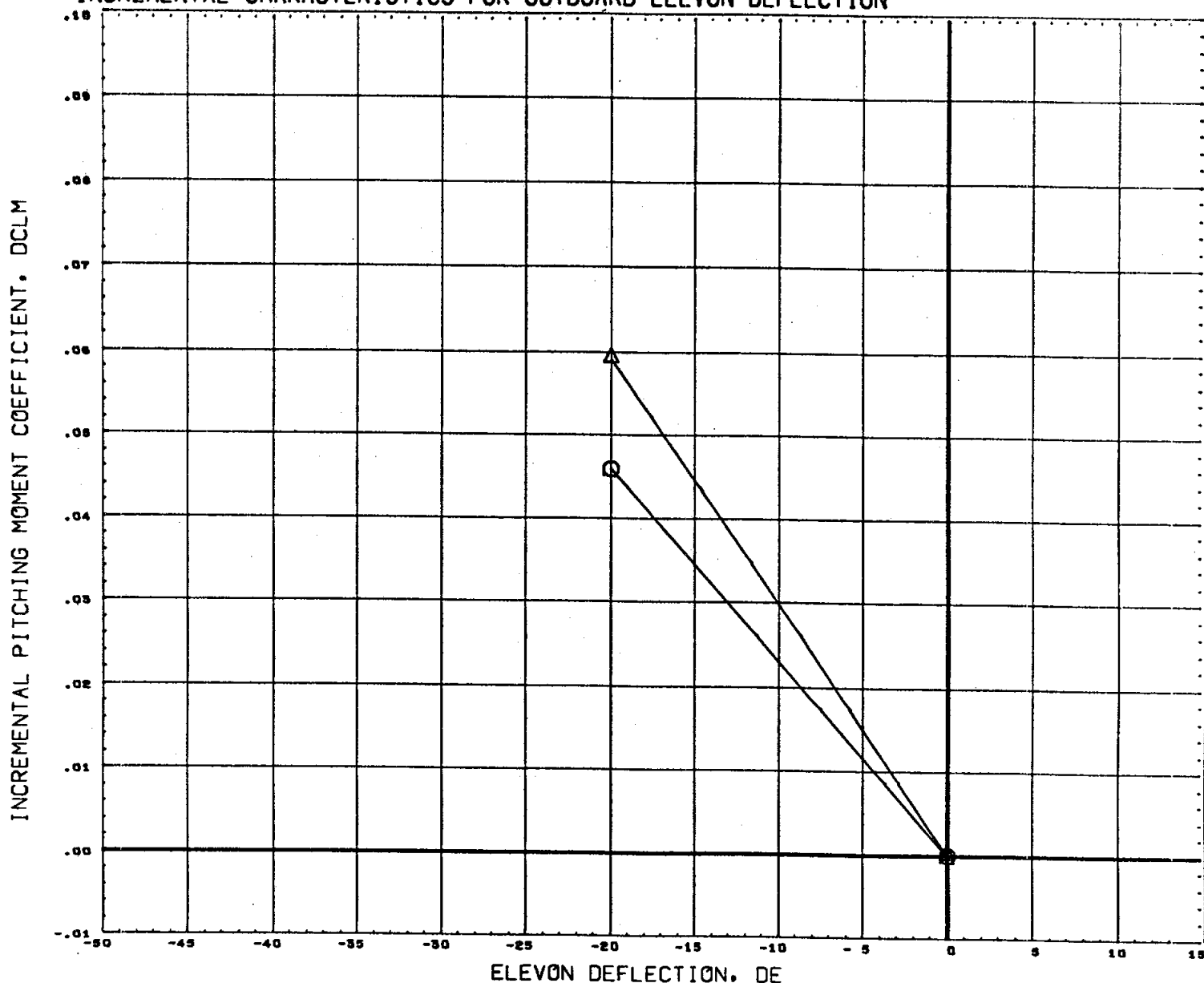
SYMBOL	ALPHA	PARAMETRIC VALUES				REFERENCE INFORMATION		
○	30.000	MACH	0.900	BETA	0.000	SREF	7.4190	sq. in.
△	40.000	CONFIG	3.000	RUDDER	0.000	LREF	2.1020	in.
		RUDFLR	10.000	OBDELV	0.000	BREF	4.0300	in.
		IBDELV	0.000	AILRON	0.000	XMRP	3.4530	in.
		OBDAIL	0.000	IBDAIL	0.000	YMRP	0.0000	in.
		DATA HIST. CODE	T+C+G1			ZMRP	0.0000	in.
						SCALE	0.0040	

INCREMENTAL CHARACTERISTICS FOR OUTBOARD ELEVON DEFLECTION



SYMBOL	PARAMETRIC VALUES				REFERENCE INFORMATION		
	ALPHA	MACH	BETA		SREF		
○	0.000	2.990	0.000		7.4190	50. IN.	
△	10.000	3.000	0.000		2.1020	IN.	
◇	20.000	10.000	0.000		4.0300	IN.	
		0.000	0.000		3.4530	IN.	
		0.000	0.000		0.0000	IN.	
		0.000	0.000		0.0000	IN.	
		0.000	0.000		0.0040		

INCREMENTAL CHARACTERISTICS FOR OUTBOARD ELEVON DEFLECTION

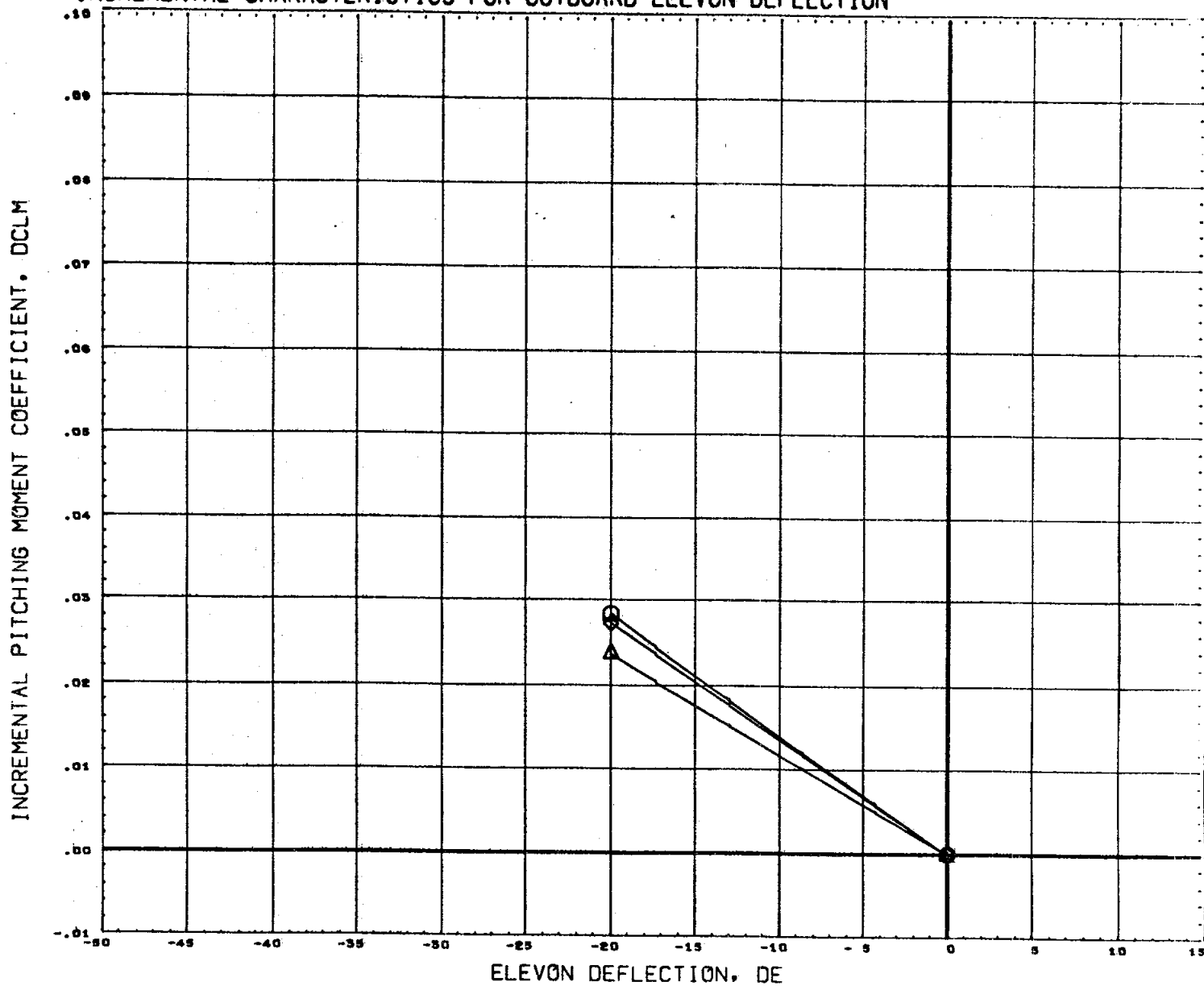


ELEVON DEFLECTION, DE

SYMBOL	ALPHA	PARAMETRIC VALUES			
○	30.000	MACH	2.990	BETA	0.000
△	40.000	CONFIG	3.000	RUDDER	0.000
		RUDFLR	10.000	OBDELV	0.000
		ISDELV	0.000	AILRON	0.000
		OBDAIL	0.000	ISDAIL	0.000
		DATA HIST. CODE	I+C*G1		

REFERENCE INFORMATION		
SREF	7.4190	30. IN.
LREF	2.1020	IN.
OREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

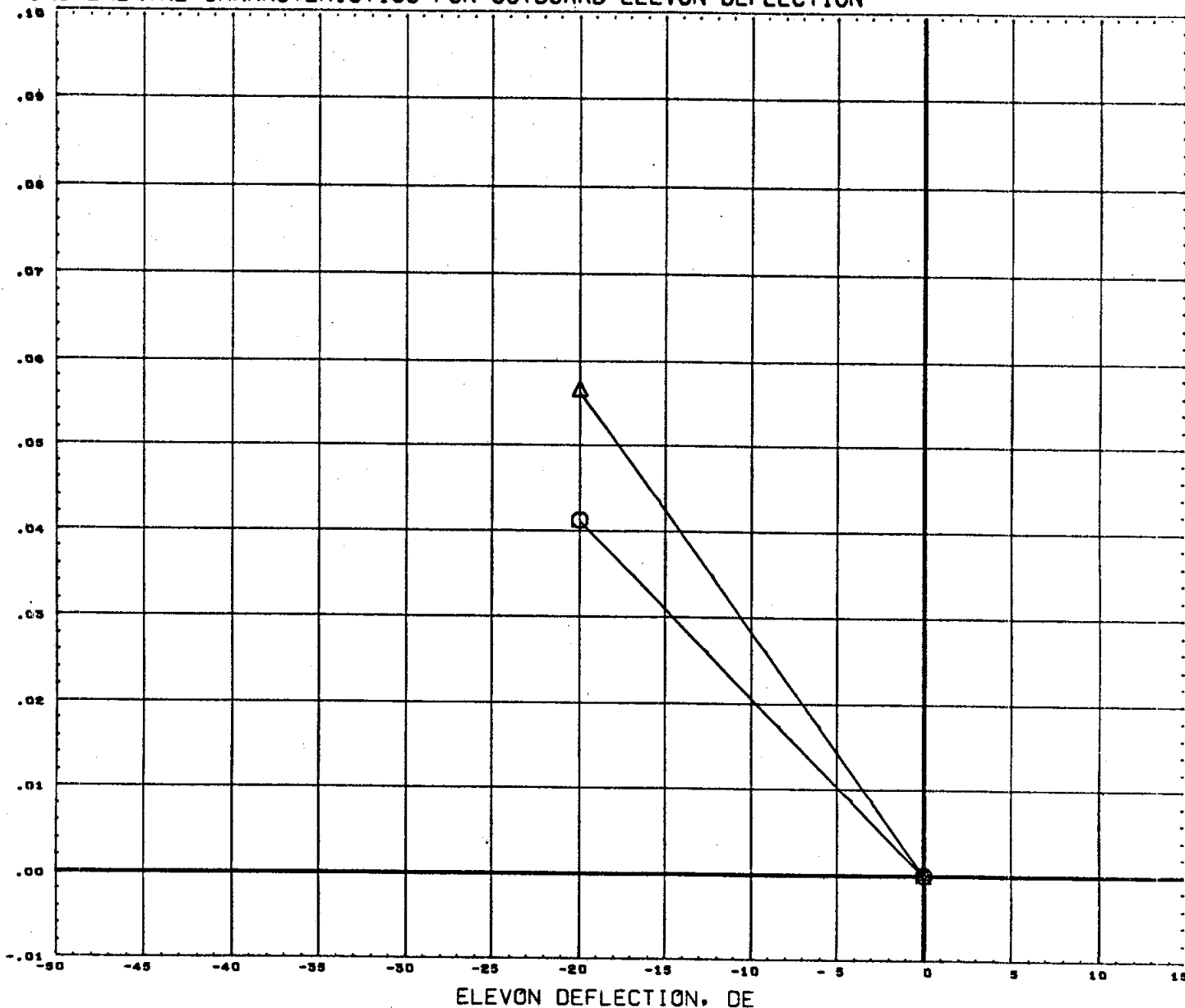
INCREMENTAL CHARACTERISTICS FOR OUTBOARD ELEVON DEFLECTION



SYMBOL	ALPHA		PARAMETRIC VALUES				REFERENCE INFORMATION	
	0.000	MACH	4.980	BETA	0.000		SREF	7.4190
△	10.000	CONFIG	3.000	RUDDER	0.000		LREF	2.1020
◇	20.000	RUDFLR	10.000	OSDELV	0.000		BREF	4.0300
		ISDELV	0.000	AILRON	0.000		XMRP	3.4530
		OSDAIL	0.000	ISDAIL	0.000		YMRP	0.0000
							ZMRP	0.0000
		DATA HIST. CODE	I*CGI				SCALE	0.0040

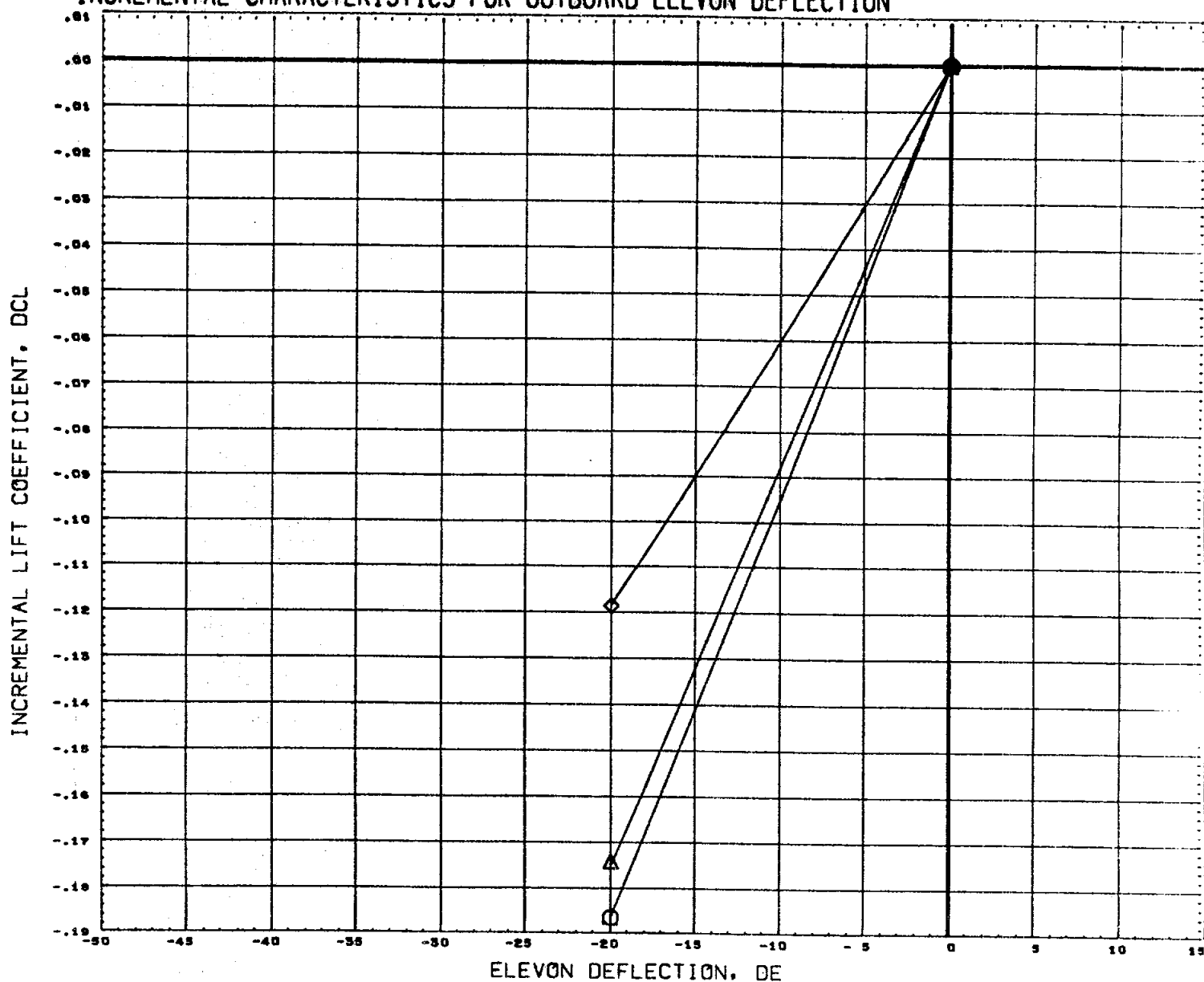
INCREMENTAL CHARACTERISTICS FOR OUTBOARD ELEVON DEFLECTION

INCREMENTAL PITCHING MOMENT COEFFICIENT, DCLM



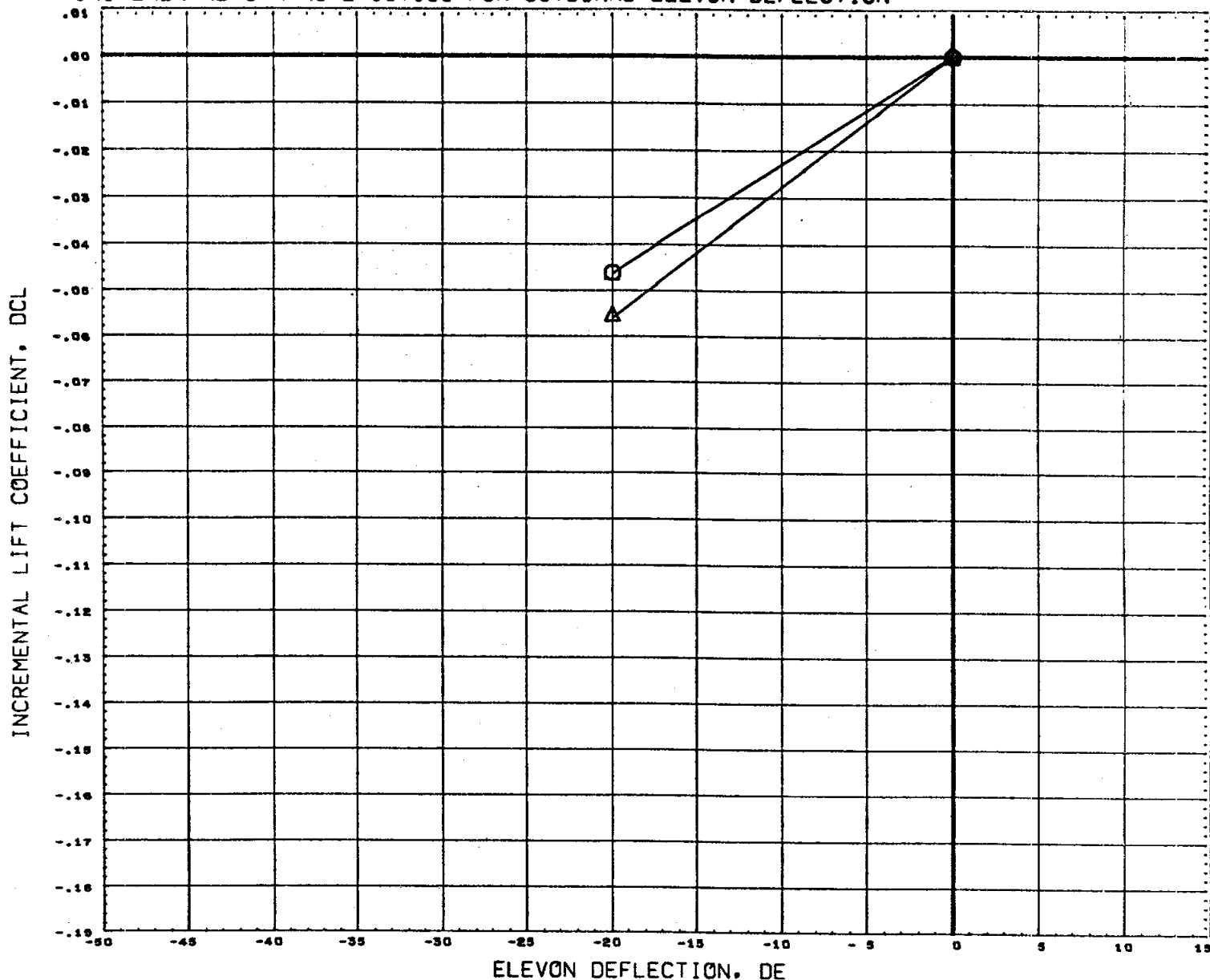
SYMBOL	ALPHA	PARAMETRIC VALUES				REFERENCE INFORMATION		
△	30.000	MACH	4.960	BETA	0.000	SREF	7.4190	50. IN.
	40.000	CONFIG	3.000	RUDDER	0.000	LREF	2.1020	IN.
		RUDFLR	10.000	OBDELV	0.000	BREF	4.0300	IN.
		ISDELV	0.000	AILRON	0.000	XMRP	3.4530	IN.
		OSDAIL	0.000	ISDAIL	0.000	YMRP	0.0000	IN.
		DATA HIST. CODE	IAC*GI			ZMRP	0.0000	IN.
						SCALE	0.0040	

INCREMENTAL CHARACTERISTICS FOR OUTBOARD ELEVON DEFLECTION



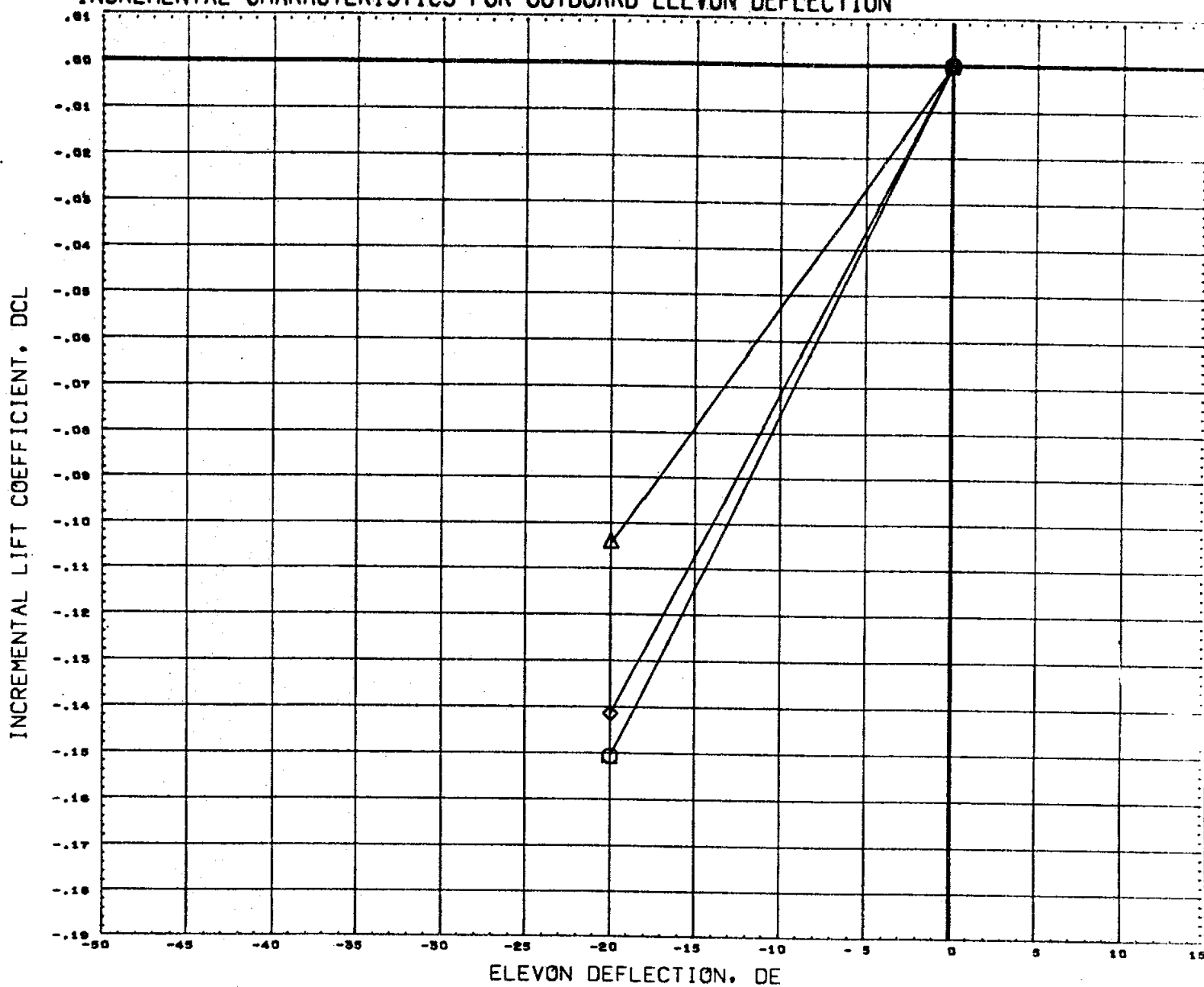
SYMBOL		PARAMETRIC VALUES				REFERENCE INFORMATION		
○	ALPHA	0.000	MACH	0.000	BETA	0.000	SREF	7.4190
△	10.000	CONFIG	3.000	RUDDER	0.000		LREF	2.1020
◇	20.000	RUDFLR	10.000	OBDELV	0.000		BREF	4.0300
		IBDELV	0.000	AILRON	0.000		XMRF	3.4530
		OBDAIL	0.000	IBDAIL	0.000		YMRF	0.0000
							ZMRF	0.0000
							SCALE	0.0040
		DATA HIST. CODE I*C*61						

INCREMENTAL CHARACTERISTICS FOR OUTBOARD ELEVON DEFLECTION



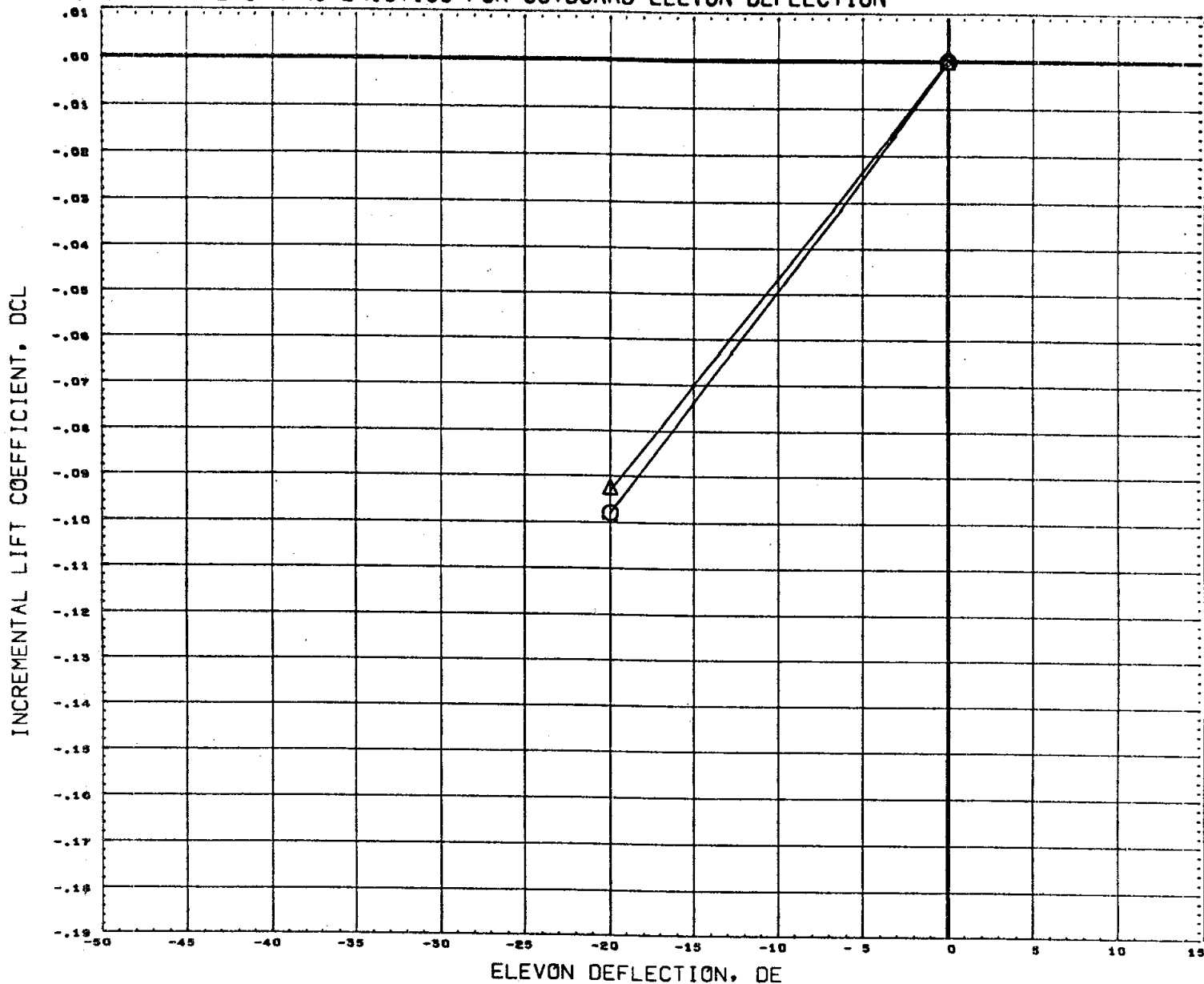
SYMBOL		PARAMETRIC VALUES				REFERENCE INFORMATION		
	ALPHA							
	30.000	MACH	0.600	BETA	0.000	SREF	7.4190	SQ. IN.
	40.000	CONFIG	3.000	RUDDER	0.000	LREF	2.1020	IN.
		RUOFLR	10.000	OBDELV	0.000	BREF	4.0300	IN.
		IBDELV	0.000	AILRON	0.000	XMRP	3.4550	IN.
		OBDAIL	0.000	IBDAIL	0.000	YMRP	0.0000	IN.
		DATA HIST. CODE	I+C*G1			ZMRP	0.0000	IN.
						SCALE	0.0040	

INCREMENTAL CHARACTERISTICS FOR OUTBOARD ELEVON DEFLECTION



SYMBOL	ALPHA	PARAMETRIC VALUES				REFERENCE INFORMATION	
○	0.000	MACH	0.900	BETA	0.000	SREF	7.4190 SQ. IN.
△	10.000	CONFIG	3.000	RUDDER	0.000	LREF	2.1020 IN.
◇	20.000	RUDFLR	10.000	OSDELV	0.000	BREF	4.0300 IN.
		ISDELV	0.000	AILRON	0.000	XMRP	3.4530 IN.
		OSDAIL	0.000	ISDAIL	0.000	YMRP	0.0000 IN.
		DATA HIST. CODE	IAC*GI			ZMRP	0.0000 IN.
						SCALE	0.0040

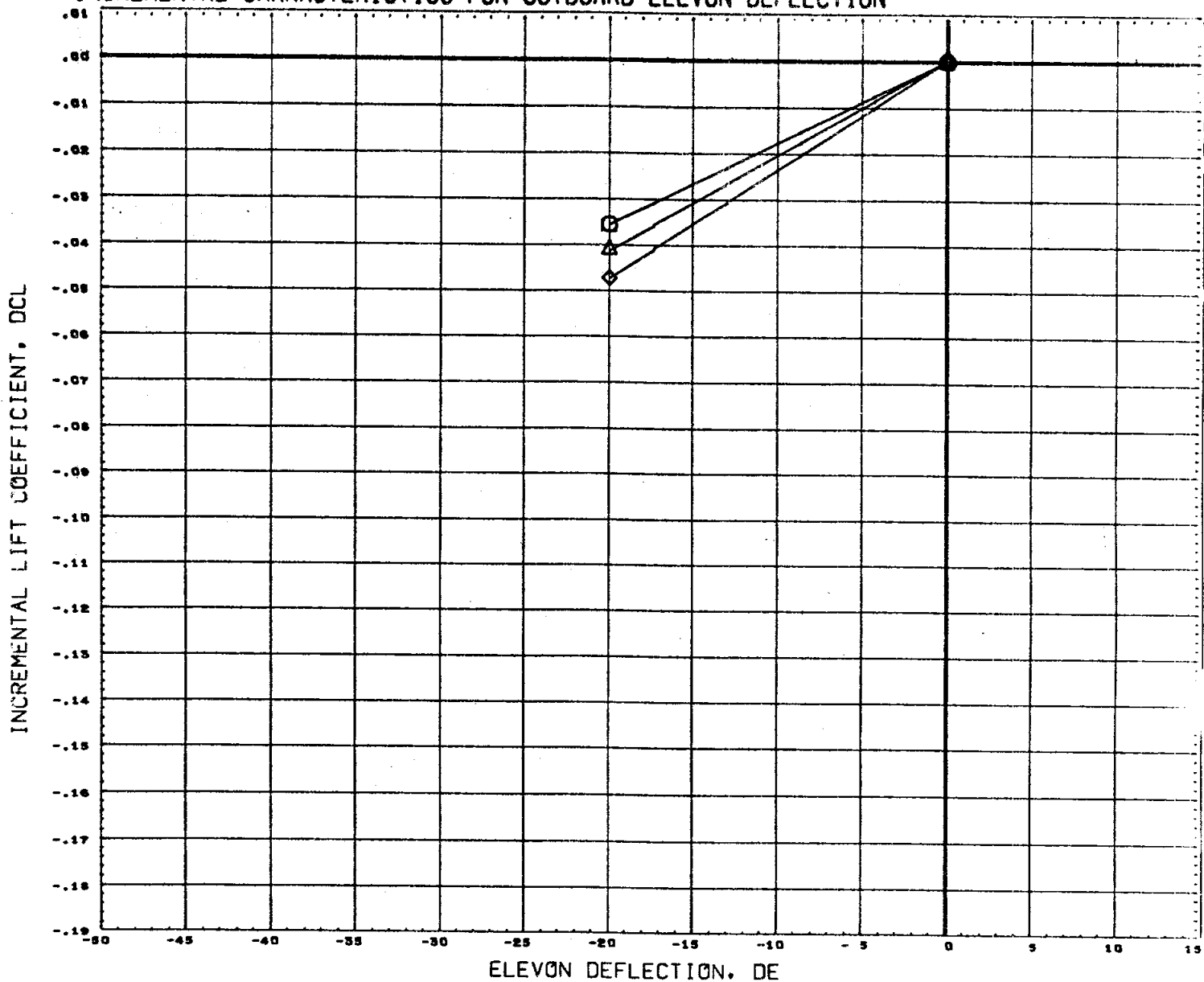
INCREMENTAL CHARACTERISTICS FOR OUTBOARD ELEVON DEFLECTION



SYMBOL	ALPHA	PARAMETRIC VALUES			
○	30.000	MACH	0.900	BETA	0.000
△	40.000	CONFIG	3.000	RUDDER	0.000
		RUDFLR	10.000	OBDELV	0.000
		IBDELV	0.000	AILRON	0.000
		OBDAIL	0.000	IBDAIL	0.000
		DATA HIST. CODE I*CGI			

REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

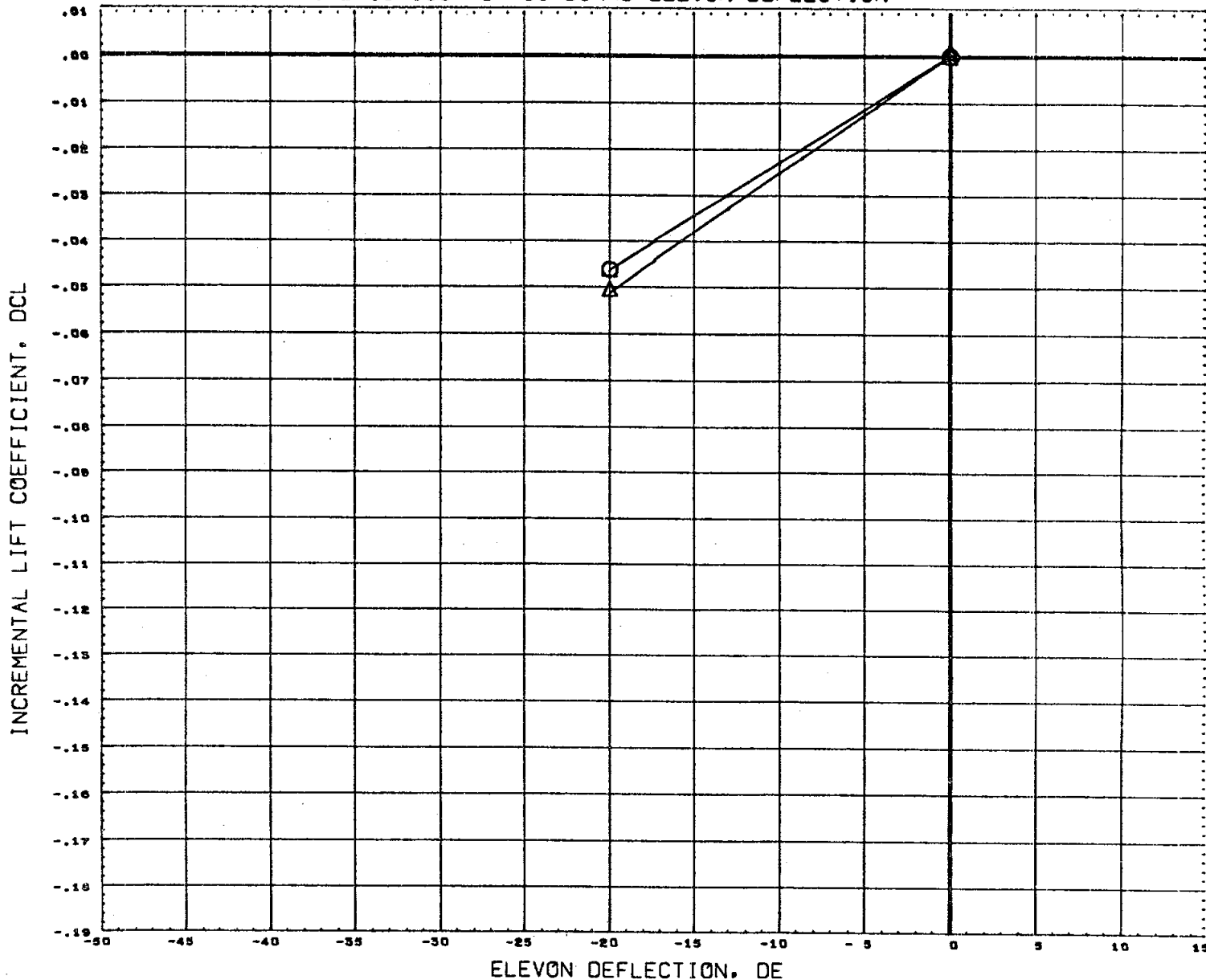
INCREMENTAL CHARACTERISTICS FOR OUTBOARD ELEVON DEFLECTION



SYMBOL	ALPHA	PARAMETRIC VALUES			
○	0.000	MACH	2.990	BETA	0.000
△	10.000	CONFIG	3.000	RUDDER	0.000
◇	20.000	RUDDLR	10.000	OBDELV	0.000
		IBDELV	0.000	AILRON	0.000
		OBDAIL	0.000	IBDAIL	0.000
		DATA HIST. CODE I+C*61			

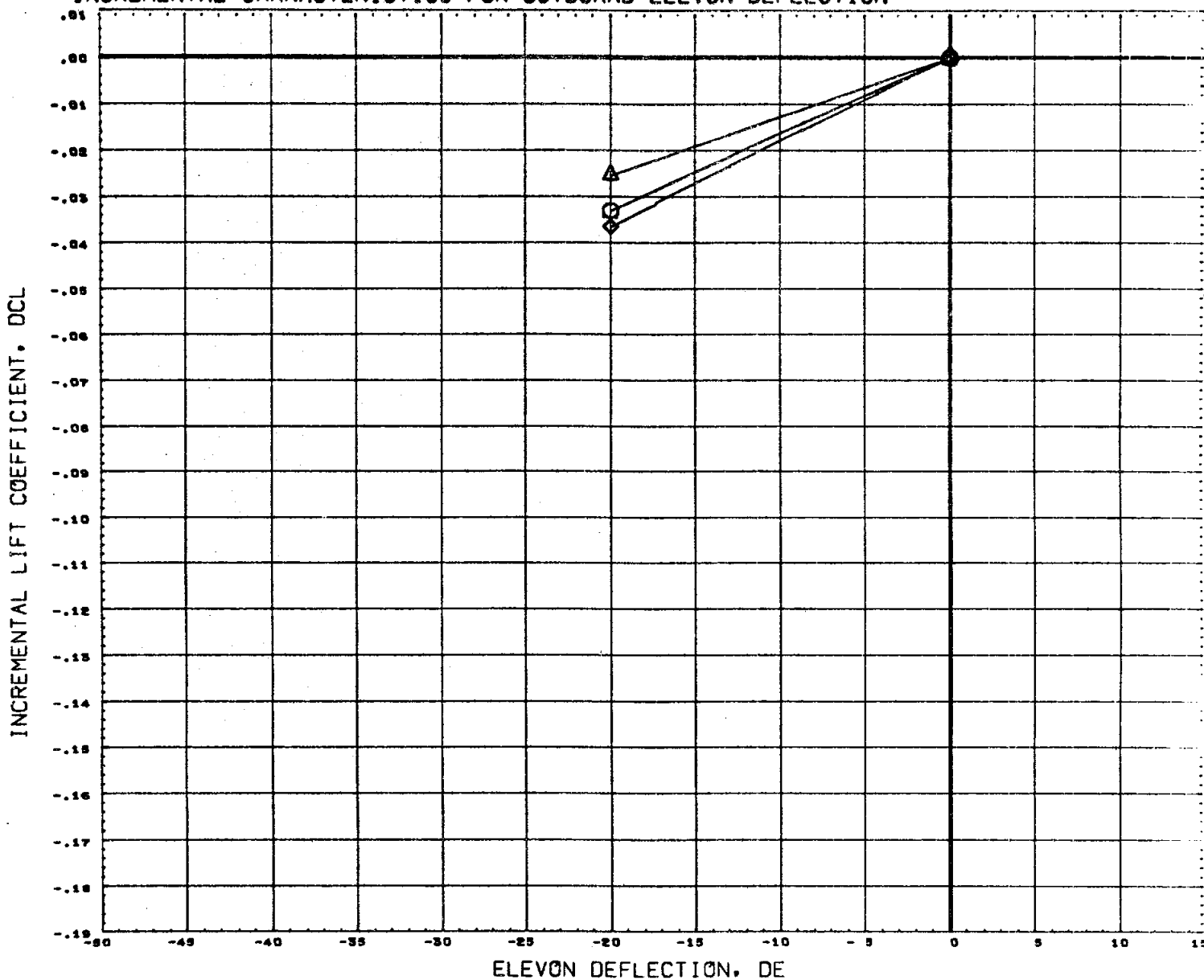
REFERENCE INFORMATION		
SREF	7.4190	SQ. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XMRP	3.4530	IN.
YMRP	0.0000	IN.
ZMRP	0.0000	IN.
SCALE	0.0040	

INCREMENTAL CHARACTERISTICS FOR OUTBOARD ELEVON DEFLECTION



SYMBOL		PARAMETRIC VALUES				REFERENCE INFORMATION		
	ALPHA							
	30.000	MACH	2.990	BETA	0.000	SREF	7.4190	SQ. IN.
	40.000	CONFIG	3.000	RUDDER	0.000	LREF	2.1020	IN.
		RUDFLR	10.000	OBDELV	0.000	BREF	4.0300	IN.
		IBDELV	0.000	AILRON	0.000	XMRP	3.4530	IN.
		OBDAIL	0.000	IBDAIL	0.000	YMRP	0.0000	IN.
		DATA HIST. CODE	INC*GI			ZMRP	0.0000	IN.
					SCALE	0.0040		

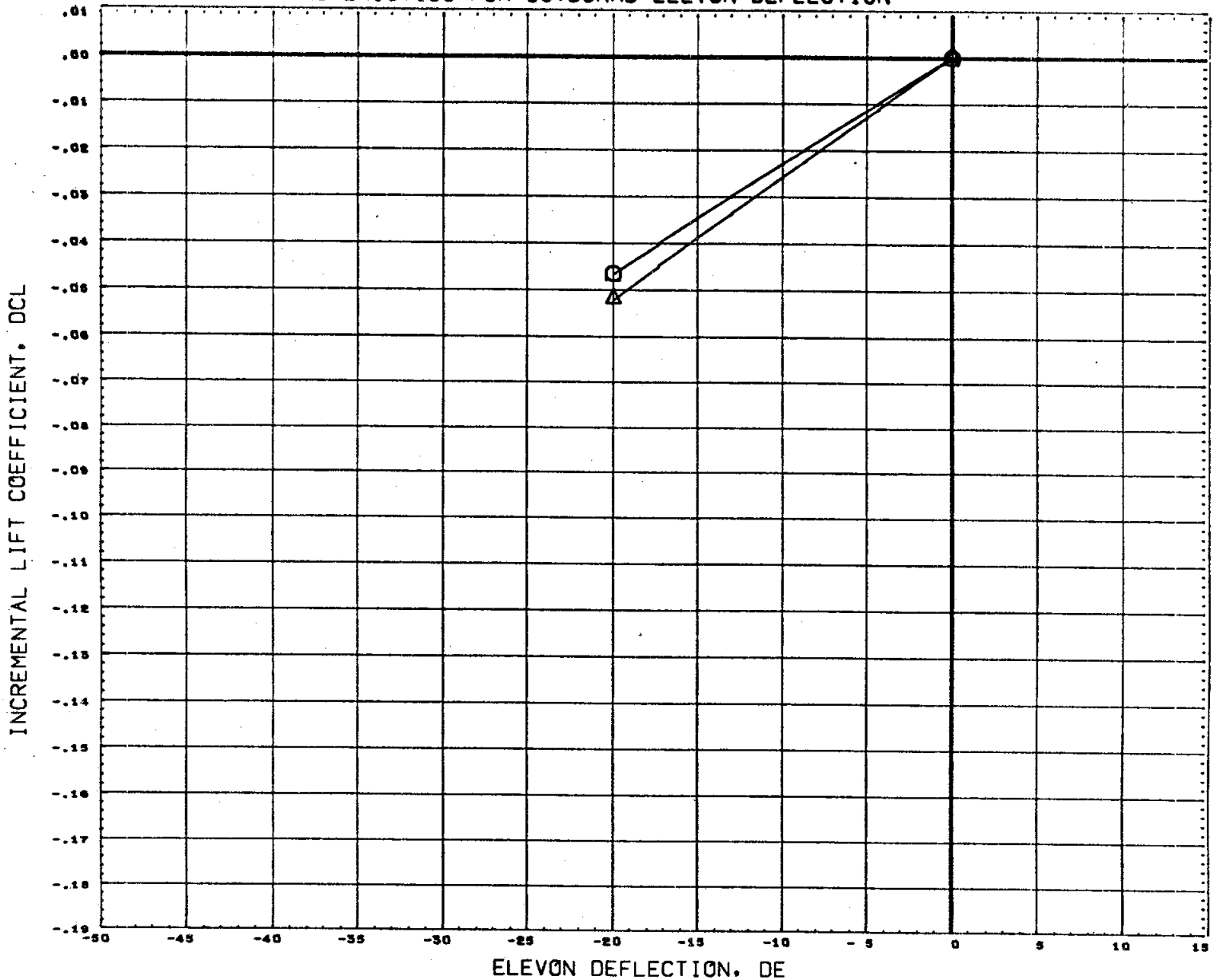
INCREMENTAL CHARACTERISTICS FOR OUTBOARD ELEVON DEFLECTION



ELEVON DEFLECTION, DE

SYMBOL	ALPHA	PARAMETRIC VALUES				REFERENCE INFORMATION		
△	0.000	MACH	4.960	BETA	0.000	SREF	7.4190	SQ. IN.
○	10.000	CONFIG	3.000	RUDDER	0.000	LREF	2.1020	IN.
◇	20.000	RUDFLR	10.000	OBDELV	0.000	BREF	4.0300	IN.
		IBDELV	0.000	AILRON	0.000	XMRP	3.4530	IN.
		OBDAIL	0.000	IBDAIL	0.000	YMRP	0.0000	IN.
						ZMRP	0.0000	IN.
		DATA HIST. CODE	I*CGI			SCALE	0.0040	

INCREMENTAL CHARACTERISTICS FOR OUTBOARD ELEVON DEFLECTION



SYMBOL ALPHA PARAMETRIC VALUES

○ 30.000 MACH 4.960 BETA 0.000

Δ 40.000 CONFIG 3.000 RUDDER 0.000

 RUDFLR 10.000 OBDELV 0.000

 IBDELV 0.000 AILRON 0.000

 OBDAIL 0.000 IBDAIL 0.000

 DATA HIST. CODE 1=C*GI

REFERENCE INFORMATION

SREF 7.4190 SQ. IN.

LREF 2.1020 IN.

BREF 4.0300 IN.

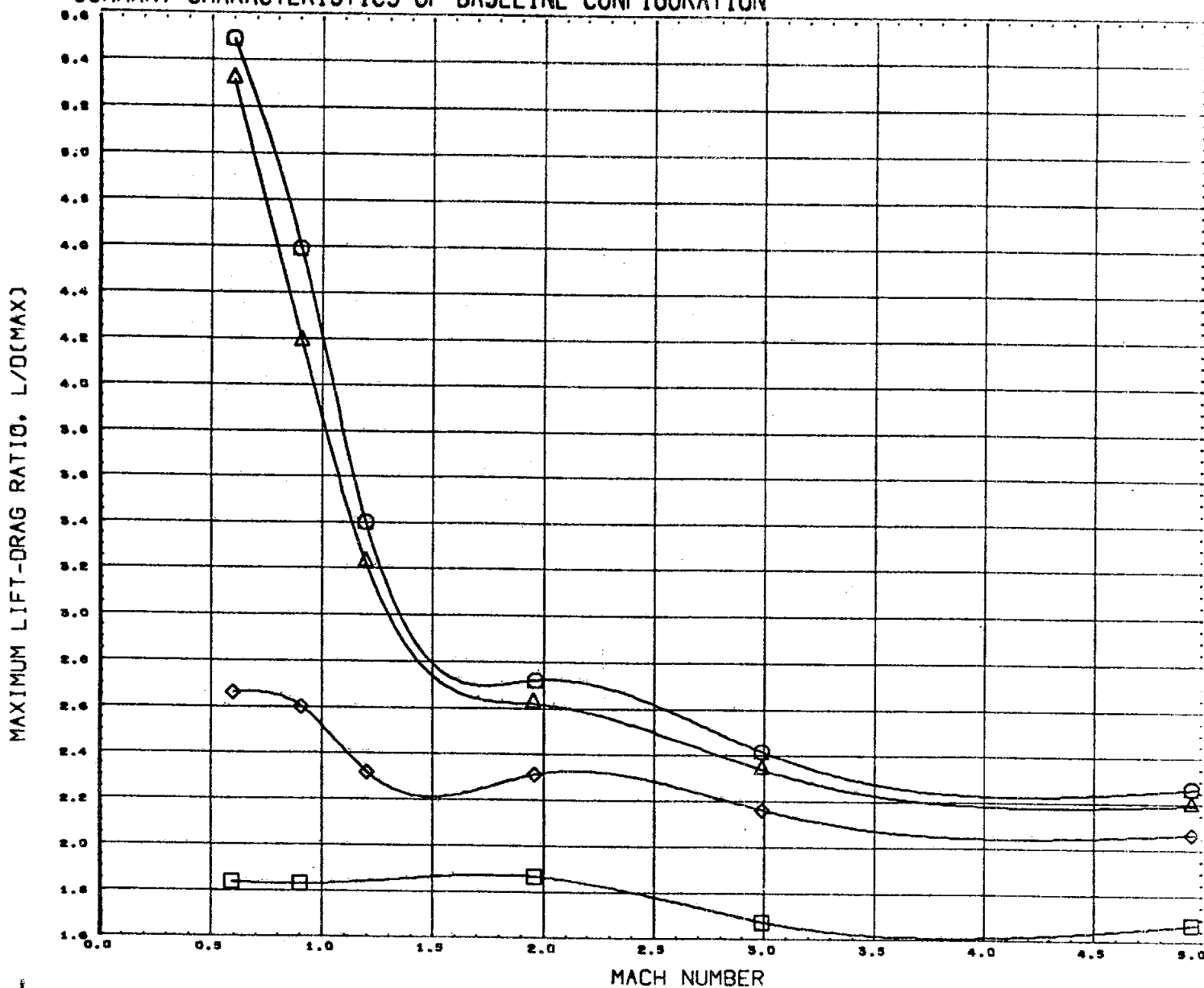
XMRP 3.4530 IN.

YMRP 0.0000 IN.

ZMRP 0.0000 IN.

SCALE 0.0040

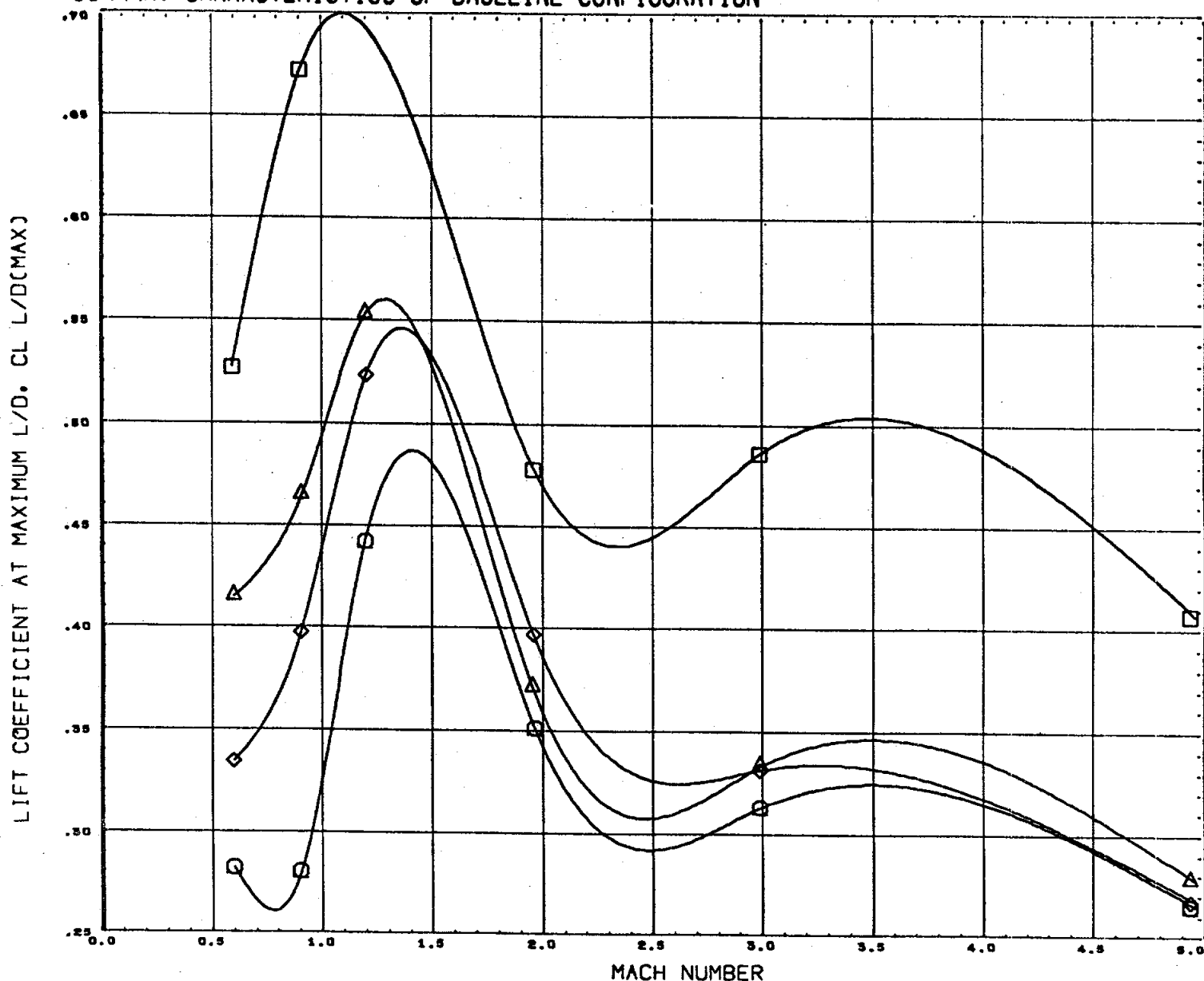
SUMMARY CHARACTERISTICS OF BASELINE CONFIGURATION



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	RUDFLR
(676301)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000
(676309)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	10.000
(676311)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	10.000
(676314)	M555 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-40.000	10.000

REFERENCE INFORMATION		
SREF	7.4190	sq. in.
LREF	2.1020	in.
BREF	4.0300	in.
XMRP	3.4530	in.
YMRP	0.0000	in.
ZMRP	0.0000	in.
SCALE	0.0040	

SUMMARY CHARACTERISTICS OF BASELINE CONFIGURATION



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVTR	RUDFLR
(76501)	M555 (FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	0.000	10.000
(76509)	M555 (FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	10.000	10.000
(76511)	M555 (FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-20.000	10.000
(76514)	M555 (FAS) NAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)	0.000	-40.000	10.000

REFERENCE INFORMATION		
SREF	7.4190	Sq. IN.
LREF	2.1020	IN.
BREF	4.0300	IN.
XHRP	3.4530	IN.
YHRP	0.0000	IN.
ZHRP	0.0000	IN.
SCALE	0.0040	

A P P E N D I X
TABULATED SOURCE DATA LISTING

Tabulations of the plotted data are available
from SADSAC Operations on request.

M999 (PAS) MAR ATP ORB (B1C1D1F1M1)

(R76101) (03 NOV 72)

REFERENCE DATA

BREF = 7.4190 SQ. IN. XMRP = 3.4530 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 BREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

BETA = .000 CONF16 = 1.000

RUN NO. 34/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CSL	CAF	CAB	CL	CD	L/D
.897	.660	-.02060	.00620	.00790	.00400	-.00010	.00330	.03080	-.02070	.00300	-6.73170
.897	2.560	-.00970	.01260	.00670	.00450	-.00010	.00440	.02940	-.00990	.00390	-2.51090
.897	4.610	.00260	.01630	.00670	.00460	-.00050	.00370	.02970	.00250	.00390	.63620
.897	6.630	.01450	.01950	.00620	.00450	-.00050	.00370	.02910	.01400	.00530	2.61600
.897	8.650	.02630	.02550	.01010	.00470	-.00050	.00260	.02920	.02760	.00690	4.00360
.897	10.670	.04270	.02920	.01120	.00460	-.00060	.00140	.02980	.04170	.00930	4.47360
.897	12.710	.05630	.03170	.01110	.00420	-.00080	-.00020	.03030	.05500	.01210	4.54030
.897	14.690	.07280	.03630	.01150	.00400	-.00070	-.00310	.03260	.07130	.01540	4.62230
.897	16.780	.09090	.04000	.01100	.00360	-.00090	-.00600	.03520	.08880	.02040	4.34070
.897	18.780	.10700	.04410	.00970	.00360	-.00100	-.00960	.03750	.10450	.02510	4.15260
.897	20.680	.12520	.04750	.00770	.00360	-.00110	-.01230	.03680	.12150	.03270	3.71300
.897	10.670	.04090	.02920	.01120	.00420	-.00070	.00050	.03050	.04010	.00610	4.91460
GRADIENT		.00596	.00206	.00020	.00015	-.00010	.00010	-.00026	.00591	.00023	1.67160

RUN NO. 53/ 0 RN/L = 6.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CSL	CAF	CAB	CL	CD	L/D
.905	.660	-.02470	.00940	.00800	.00400	-.00020	.00760	.03370	-.02480	.00730	-3.39190
.905	2.560	-.01260	.01410	.00820	.00410	-.00030	.00730	.03400	-.01290	.00670	-1.91460
.905	4.630	.00140	.01930	.00950	.00430	-.00040	.00680	.03390	.00080	.00690	.12930
.905	6.670	.01520	.02410	.01020	.00440	-.00050	.00650	.03310	.01430	.00820	1.73400
.905	8.700	.03010	.02790	.01030	.00410	-.00060	.00620	.03270	.02880	.01070	2.69290
.905	10.740	.04630	.03240	.01120	.00400	-.00070	.00490	.03330	.04450	.01340	3.30900
.905	12.790	.06500	.03610	.01160	.00400	-.00080	.00250	.03530	.06260	.01680	3.72800
.905	14.610	.08270	.04230	.01080	.00380	-.00100	.00010	.03670	.07990	.02120	3.75630
.905	16.930	.10560	.04990	.01060	.00360	-.00110	-.00140	.03890	.10140	.02930	3.45440
.905	18.960	.12680	.05720	.01100	.00360	-.00120	-.00450	.04120	.12140	.03690	3.28440
.905	20.910	.14720	.06430	.00810	.00350	-.00130	-.00820	.04360	.14030	.04480	3.13130
.905	10.740	.04780	.03300	.01120	.00390	-.00080	.00420	.03380	.04610	.01310	3.51990
GRADIENT		.00658	.00249	.00038	.00008	-.00005	-.00020	.00005	.00645	-.00010	.88819

DATE 18 NOV 72

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W999(PA3) MAR ATP CR8 (B1C1D1P1M1)

(RT6101) (03 NOV 72)

REFERENCE DATA

GREF = 9.4190 SQ. IN. XMRP = 3.4530 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 BREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

BETA = .000 CONFIC = 1.000

RUN NO. 92/ 0 RN/L = 9.69 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
1.199	.640	-.01770	.00450	.00700	.00450	-.00020	.03420	.03850	-.01810	.03400	-.93290
1.199	2.590	-.00440	.00980	.00770	.00480	-.00030	.03340	.03860	-.00590	.03310	-.18000
1.199	4.630	.01150	.01480	.00870	.00490	-.00030	.03160	.04080	.00890	.03250	.27600
1.199	6.700	.02680	.01950	.00940	.00500	-.00030	.03020	.04230	.02310	.03310	.69790
1.199	8.750	.04390	.02500	.01030	.00510	-.00060	.02890	.04380	.03900	.03520	1.10490
1.199	10.810	.06300	.03080	.01150	.00470	-.00080	.02790	.04550	.05670	.03930	1.44310
1.199	12.880	.08420	.03660	.01310	.00450	-.00110	.02640	.04810	.07620	.04450	1.71140
1.199	14.930	.10720	.04470	.01450	.00390	-.00130	.02500	.05090	.09720	.05180	1.87560
1.199	17.070	.13470	.05530	.01750	.00360	-.00140	.02320	.05210	.12190	.06180	1.97260
1.199	19.140	.16190	.06880	.01780	.00330	-.00120	.02180	.05190	.14540	.07350	1.97590
1.199	21.140	.19090	.07780	.01910	.00300	-.00120	.01960	.05210	.17100	.08720	1.95990
1.199	10.810	.06370	.03130	.01190	.00490	-.00080	.02750	.04680	.05740	.03900	1.47340
GRADIENT		.00732	.00258	.00043	.00010	-.00002	-.00065	.00058	.00677	-.00038	.20289

RUN NO. 96/ 0 RN/L = 7.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
1.960	.610	-.02020	-.01300	.00760	.00380	-.00030	.04340	.02000	-.02060	.04320	-.47860
1.960	2.570	-.00520	-.00620	.00840	.00380	-.00030	.04190	.01990	-.00710	.04160	-.17120
1.960	4.620	.00900	.00180	.00850	.00370	-.00030	.03920	.02230	.00580	.03980	.14690
1.960	6.710	.02580	.00880	.00980	.00370	-.00040	.03760	.02370	.02120	.04030	.52890
1.960	8.750	.04320	.01470	.01140	.00380	-.00050	.03610	.02500	.03920	.04260	.92080
1.960	10.830	.06290	.02020	.01310	.00380	-.00070	.03360	.02680	.06130	.04590	1.33490
1.960	12.930	.08560	.02580	.01560	.00340	-.00090	.03170	.02800	.08600	.05230	1.64250
1.960	15.000	.12180	.03070	.01730	.00290	-.00090	.02930	.02950	.11010	.05990	1.85780
1.960	17.150	.15270	.03750	.01890	.00230	-.00100	.02800	.03040	.13760	.07190	1.91400
1.960	19.210	.18100	.04700	.02020	.00120	-.00120	.02590	.03000	.16240	.08410	1.93010
1.960	21.190	.21000	.05580	.02200	.00070	-.00120	.02510	.02970	.18670	.09930	1.87840
1.960	10.830	.08960	.02100	.01380	.00370	-.00070	.03360	.02680	.06200	.04610	1.34550
GRADIENT		.00728	.00369	.00022	-.00003	.00000	-.00105	.00058	.00658	-.00063	.19598

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M555 (FAS) NAR ATP ORB (BIC101F1M1)

(R76101) (03 NOV 72)

REFERENCE DATA

GREF = 7.4190 SQ. IN. XMRP = 3.4530 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 BREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

BETA = .000 CONFIG = 1.000

RUN NO. 1/ 0 RN/L = 4.12 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
2.990	.640	-.02120	-.02210	.00560	.00250	-.00010	.04520	.01090	-.02170	.04490	-.48430
2.990	2.550	-.00620	-.01470	.00650	.00250	-.00020	.04160	.01100	-.00800	.04130	-.19460
2.990	4.600	.01050	-.00690	.00670	.00250	-.00010	.04050	.01120	.00720	.04130	.17590
2.990	6.650	.02650	-.00010	.00790	.00220	-.00010	.03810	.01160	.02190	.04090	.53640
2.990	8.670	.04720	.00550	.00880	.00220	-.00020	.03490	.01250	.04140	.04170	.99400
2.990	10.700	.06750	.01100	.00900	.00190	-.00040	.03210	.01320	.06040	.04410	1.37020
2.990	12.760	.09080	.02000	.01060	.00180	-.00050	.02970	.01360	.08180	.04890	1.66980
2.990	14.780	.11520	.02710	.01040	.00130	-.00080	.02760	.01390	.10430	.05610	1.85740
2.990	16.670	.14100	.03480	.01130	.00090	-.00070	.02610	.01400	.12730	.06590	1.93060
2.990	18.680	.16830	.04320	.01180	.00080	-.00070	.02500	.01410	.15110	.07810	1.93460
2.990	20.640	.19550	.05060	.01200	.00070	-.00080	.02390	.01430	.17420	.09190	1.89390
2.990	10.700	.06980	.01190	.00670	.00220	-.00040	.03160	.01370	.06270	.04410	1.42300
GRADIENT		.00601	.00364	.00026	.00000	.00000	-.00118	.00008	.00730	-.00009	.16689

RUN NO. 2/ 0 RN/L = 4.63 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
4.959	.660	-.02500	-.02490	.00560	.00200	.00050	.04230	.00270	-.02550	.04200	-.60820
4.959	2.550	-.01390	-.02020	.00490	.00180	.00060	.03860	.00290	-.01560	.03800	-.41200
4.959	4.590	.00080	-.01270	.00590	.00170	.00050	.03820	.00160	-.00220	.03820	-.05830
4.959	6.600	.01340	-.00950	.00530	.00140	.00040	.03590	.00220	.00920	.03720	.24870
4.959	8.620	.02950	-.00090	.00740	.00110	.00050	.03280	.00250	.02420	.03680	.65770
4.959	10.630	.04620	.00420	.00620	.00100	.00040	.02930	.00280	.04000	.03740	1.06970
4.959	12.680	.06470	.01440	.00770	.00120	.00050	.02740	.00300	.05710	.04090	1.39490
4.959	14.680	.08500	.02060	.00880	.00090	.00030	.02590	.00310	.07570	.04660	1.62320
4.959	16.740	.11010	.02590	.00750	.00040	.00030	.02520	.00320	.09820	.05580	1.75770
4.959	18.740	.13180	.03320	.00740	.00050	.00030	.02480	.00340	.11680	.06590	1.77180
4.959	20.670	.15640	.04000	.00670	.00050	.00030	.02470	.00340	.13760	.07830	1.75610
GRADIENT		.00657	.00311	.00008	-.00008	-.00000	-.00103	-.00026	.00594	-.00095	.14037

MS95(PA3) NAR ATP CRB (B1C1D1F1M1)

(R76102) (03 NOV 72)

REFERENCE DATA

BREF = 7.4190 80 IN. XMRP = 3.4530 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 SREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

BETA = .000 CONFIG = 1.000

RUN NO. 64/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
.897	21.260	.12760	.04350	-.00420	.00370	-.00140	-.01170	.03770	.12320	.03530	3.48230
.897	23.160	.14350	.05090	-.00700	.00680	-.00170	-.01420	.03920	.13940	.04410	3.15740
.897	25.210	.16530	.05380	-.01230	.00780	-.00190	-.01650	.04070	.15660	.05530	2.82750
.897	27.240	.18740	.05920	-.01470	.00920	-.00190	-.02140	.04470	.17650	.06660	2.64650
.897	29.260	.20710	.06290	-.01910	.01000	-.00210	-.02450	.04570	.19270	.07980	2.41410
.897	31.300	.23150	.06780	-.02040	.01050	-.00200	-.03180	.05100	.21440	.09310	2.30280
.897	33.330	.25640	.06980	-.02000	.01030	-.00190	-.03520	.05190	.23360	.11140	2.09570
.897	35.360	.27900	.07480	-.01540	.00980	-.00190	-.04080	.05500	.25110	.12810	1.95970
.897	37.430	.30820	.07780	-.01240	.00940	-.00160	-.04490	.05650	.27200	.15180	1.79370
.897	39.450	.33520	.08340	-.00460	.00810	-.00110	-.05090	.05950	.29120	.17370	1.67690
.897	41.400	.36350	.08460	.01410	.00620	-.00140	-.05420	.06030	.30850	.19960	1.54520
.897	31.290	.23070	.06700	-.02190	.01070	-.00200	-.03200	.05080	.21360	.09240	2.31290
GRADIENT		.01167	.00195	.00044	.00006	.00002	-.00222	.00120	.00929	.00801	-.09151

RUN NO. 65/ 0 RN/L = 6.26 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
.900	21.480	.15630	.06800	-.00140	.00560	-.00140	-.00520	.04200	.14730	.05240	2.81130
.900	23.420	.17360	.07740	-.00190	.00630	-.00140	-.00920	.04460	.16480	.06130	2.68790
.900	25.510	.20430	.08730	-.00140	.00650	-.00150	-.01250	.04660	.18980	.07670	2.47530
.900	27.590	.23210	.09900	.00330	.00620	-.00180	-.01630	.04870	.21330	.09300	2.29250
.900	29.680	.26670	.11300	.01620	.00610	-.00230	-.01900	.05010	.24120	.11550	2.08820
.900	31.760	.30550	.12740	.02910	.00620	-.00260	-.02300	.05210	.27180	.14140	1.92280
.900	33.900	.35690	.14070	.04120	.00680	-.00240	-.02660	.05480	.31110	.17690	1.75800
.900	35.990	.41070	.14730	.04310	.00750	-.00200	-.02900	.05490	.34930	.21780	1.60340
.900	38.270	.50130	.16660	.07390	.00270	-.00230	-.03250	.05440	.41370	.28490	1.45200
.900	40.320	.53510	.18390	.08740	.00240	-.00260	-.03690	.05290	.43190	.31800	1.35790
.900	42.310	.56040	.20350	.09180	.00400	-.00270	-.04240	.06280	.44300	.34590	1.28050
.900	31.770	.30390	.12610	.02850	.00620	-.00260	-.02410	.05260	.27280	.14050	1.94110
GRADIENT		.02080	.00635	.00500	-.00014	-.00006	-.00169	.00077	.01543	.01488	-.07680

MS55 (FAS) NAR ATP ORB (B1C1D1F1M1)

(R76102) (03 NOV 72)

REFERENCE DATA

PARAMETRIC DATA

GREF = 7.4190 IN. XGRP = 3.4930 IN.
 LREF = 8.1020 IN. YMRP = .0000 IN.
 GREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

BETA = .000 CONFIG = 1.000

RUN NO. 9/ 0 RN/L = 4.12 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CSL	CAF	CAB	CL	CD	L/D
2.990	21.360	.18960	.04930	.01360	.00030	-.00070	.02670	.01350	.16660	.09400	1.77430
2.990	23.310	.21900	.05620	.01250	.00030	-.00090	.02580	.01390	.19090	.11040	1.72660
2.990	25.360	.24910	.06620	.01270	.00070	-.00080	.02540	.01390	.21410	.12980	1.64980
2.990	27.440	.28190	.07400	.01090	.00030	-.00090	.02490	.01400	.23670	.15210	1.56940
2.990	29.490	.31340	.08290	.00970	.00030	-.00090	.02410	.01410	.26090	.17530	1.48840
2.990	31.550	.34620	.09210	.00960	.00060	-.00100	.02350	.01410	.28270	.20120	1.40470
2.990	33.600	.38110	.10060	.00840	.00080	-.00110	.02270	.01420	.30480	.22980	1.32600
2.990	35.660	.41470	.10830	.00720	.00010	-.00120	.02190	.01420	.32410	.25960	1.24630
2.990	37.760	.45120	.11610	.00600	.00000	-.00120	.02150	.01400	.34350	.29330	1.17090
2.990	39.790	.48620	.12370	.00490	-.00020	-.00130	.02100	.01380	.36010	.32740	1.09980
2.990	41.770	.51940	.13020	.00440	-.00040	-.00120	.02040	.01360	.37380	.36120	1.03470
GRADIENT		.01621	.00404	-.00047	-.00004	-.00003	-.00031	.00000	.01026	.01314	-.03747

RUN NO. 10/ 1 RN/L = 4.83 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CSL	CAF	CAB	CL	CD	L/D
4.959	21.230	.16480	.04520	.00780	.00010	-.00030	.02780	.00290	.14350	.08560	1.67590
4.959	23.160	.19070	.05260	.00710	.00030	-.00050	.02780	.00300	.16440	.10060	1.63360
4.959	25.180	.21940	.06060	.00580	.00030	-.00020	.02890	.00190	.18620	.11960	1.55740
4.959	27.210	.24830	.06880	.00570	.00010	-.00070	.02690	.00240	.20750	.13930	1.48930
4.959	29.240	.27840	.07560	.00440	.00010	-.00060	.02830	.00260	.22910	.16070	1.42520
4.959	31.280	.31090	.08510	.00540	-.00010	-.00050	.02760	.00280	.25140	.18510	1.35800
4.959	33.330	.34580	.09170	.00410	-.00070	-.00070	.02780	.00280	.27360	.21330	1.28250
4.959	35.340	.37650	.10050	.00450	-.00040	-.00070	.02750	.00270	.29120	.24030	1.21170
4.959	37.410	.41230	.10720	.00320	-.00050	-.00080	.02720	.00280	.31090	.27210	1.14240
4.959	39.420	.44500	.11430	.00310	-.00060	-.00090	.02710	.00270	.32640	.30360	1.07510
4.959	41.570	.47670	.11890	.00180	-.00090	-.00080	.02690	.00260	.33990	.33530	1.01330
GRADIENT		.01562	.00375	-.00025	-.00006	-.00003	-.00007	.00000	.00995	.01245	-.03362

MS55 (FAS) MAR ATP CRB (B1C1D1F1M1)

(R76103) (03 NOV 72)

REFERENCE DATA

SREF = 7.4190 SQ. IN. XMRP = 3.4550 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 SREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

BETA = .000 CONFIG = 1.000

RUN NO. 205/ 0 RN/L = 4.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
2.990	41.950	.80560	.13040	.00400	-.00090	-.00090	.02090	.01240	.36470	.35110	1.03890
2.990	43.460	.83820	.13740	.00460	-.00100	-.00100	.02030	.01240	.37660	.36500	.97820
2.990	45.500	.87270	.14250	.00340	-.00100	-.00110	.01930	.01240	.38750	.42210	.91810
2.990	47.560	.90520	.14900	.00430	-.00070	-.00110	.01910	.01200	.39420	.45950	.85790
2.990	49.590	.93860	.15280	.00350	-.00100	-.00120	.01840	.01160	.39990	.49840	.80240
2.990	51.620	.96920	.15720	.00370	-.00110	-.00120	.01800	.01130	.40130	.53590	.74880
2.990	53.660	.99120	.16150	.00330	-.00080	-.00130	.01700	.01120	.40170	.57490	.69670
2.990	55.670	.97140	.16530	.00390	-.00070	-.00120	.01590	.01090	.39920	.61300	.65120
2.990	57.740	.96220	.16760	.00280	-.00090	-.00140	.01510	.01070	.39400	.65260	.60360
2.990	59.770	.98920	.17040	.00370	-.00090	-.00140	.01410	.01020	.38510	.68890	.55900
2.990	61.670	.81110	.17160	.00300	-.00090	-.00140	.01300	.01000	.37340	.72020	.51650
GRADIENT		.01531	.00204	-.00005	.00000	-.00002	-.00038	-.00013	.00049	.01855	-.02574

RUN NO. 206/ 0 RN/L = 4.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
4.959	41.250	.48450	.11960	.00360	-.00070	-.00100	.02850	.00140	.33030	.32770	1.00780
4.959	43.170	.49790	.12620	.00460	-.00050	-.00100	.02820	.00170	.34370	.36130	.95130
4.959	45.200	.53030	.13230	.00500	-.00050	-.00110	.02770	.00180	.35400	.39580	.89440
4.959	47.240	.56570	.13730	.00540	-.00070	-.00110	.02690	.00160	.36420	.43380	.83990
4.959	49.280	.59890	.14240	.00480	-.00050	-.00130	.02630	.00140	.36940	.46960	.78660
4.959	51.280	.62940	.14650	.00520	-.00060	-.00120	.02560	.00120	.37360	.50710	.73670
4.959	53.300	.66210	.15020	.00510	-.00050	-.00130	.02500	.00100	.37560	.54590	.68810
4.959	55.310	.69190	.15160	.00560	-.00080	-.00140	.02430	.00080	.37370	.58280	.64120
4.959	57.350	.72360	.15330	.00380	-.00080	-.00140	.02290	.00070	.37090	.62170	.59660
4.959	59.350	.75300	.15740	.00480	-.00060	-.00140	.02210	.00050	.36470	.65910	.55340
4.959	61.280	.77650	.15830	.00530	-.00040	-.00150	.02060	.00050	.35580	.69270	.51370
GRADIENT		.01975	.00189	.00003	-.00000	-.00003	-.00038	-.00007	.00130	.01837	-.02461

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MS55 (FAS) MAR ATP ORB (B1C1D1F1M1)

(R76104) (03 NOV 92)

REFERENCE DATA

SREF = 7.4190 SQ. IN. XMRP = 3.4530 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 SREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

ALPHA = .000 CONFIG = 1.000

RUN NO. 65/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CSL	CAF	CAB	CL	CD	L/D
.995	-10.060	-.01630	.00560	.05690	.02460	-.00200	.00510	.02910	-.01630	.00520	-3.52160
.995	-8.150	-.01680	.00610	.04430	.01980	-.00180	.00480	.02990	-.01660	.00490	-3.84320
.995	-6.090	-.01790	.00670	.03360	.01600	-.00130	.00500	.02990	-.01790	.00510	-3.48870
.995	-4.060	-.01930	.00920	.02170	.00990	-.00090	.00410	.03040	-.01930	.00420	-4.59260
.995	-2.030	-.01910	.00880	.01210	.00560	-.00070	.00470	.02940	-.01900	.00480	-3.97190
.995	.000	-.01930	.00900	.00250	.00060	-.00030	.00360	.03030	-.01920	.00370	-5.15570
.995	2.020	-.01670	.01030	-.00700	-.00430	.00020	.00200	.03140	-.01670	.00210	-7.95290
.995	4.050	-.01750	.01000	-.01730	-.00990	.00060	.00140	.03210	-.01750	.00150	.00000
.995	6.130	-.01730	.01040	-.02970	-.01410	.00110	.00120	.03310	-.01730	.00120	.00000
.995	8.140	-.01720	.01180	-.04190	-.01890	.00150	.00070	.03360	-.01720	.00080	.00000
.995	10.070	-.01670	.01140	-.05640	-.02530	.00170	.00070	.03410	-.01670	.00070	.00000
.995	.000	-.01630	.00940	.00250	.00060	-.00030	.00410	.02960	-.01630	.00420	-4.32730
GRADIENT		.00030	.00015	-.00479	-.00240	.00019	-.00040	.00027	.00029	-.00040	.25695

RUN NO. 66/ 0 RN/L = 6.29 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CSL	CAF	CAB	CL	CD	L/D
.900	-10.220	-.02290	.00790	.06720	.02710	-.00230	.00790	.03330	-.02290	.00800	-2.84820
.900	-8.270	-.02240	.01000	.05240	.02210	-.00190	.00890	.03250	-.02240	.00900	-2.48150
.900	-6.180	-.02100	.01040	.03730	.01620	-.00150	.00930	.03250	-.02100	.00940	-2.22390
.900	-4.120	-.02170	.01220	.02450	.01080	-.00090	.00900	.03220	-.02170	.00960	-2.38900
.900	-2.060	-.02230	.01250	.01310	.00540	-.00050	.00850	.03290	-.02230	.00860	-2.59590
.900	.000	-.02150	.01270	.00220	.00030	-.00020	.00720	.03290	-.02150	.00720	-2.95970
.900	2.050	-.02030	.01270	-.00880	-.00500	.00020	.00590	.03410	-.02030	.00600	-3.38380
.900	4.100	-.02000	.01270	-.02000	-.00980	.00070	.00460	.03590	-.02000	.00470	-4.23280
.900	6.210	-.01990	.01350	-.03290	-.01520	.00130	.00440	.03660	-.01990	.00440	-4.47440
.900	8.250	-.01960	.01230	-.04800	-.02050	.00170	.00490	.03670	-.01960	.00500	-3.92790
.900	10.250	-.01970	.01290	-.06510	-.02590	.00220	.00410	.03700	-.01970	.00410	-4.73990
.900	.000	-.02150	.01270	.00120	.00000	-.00020	.00820	.03240	-.02150	.00830	-2.58120
GRADIENT		.00026	.00006	-.00540	-.00251	.00019	-.00055	.00036	.00026	-.00054	-.21753

M555 (PAS) WAR ATP CR6 (B1C101F1M1)

(R76104) (03 NOV 72)

REFERENCE DATA

PARAMETRIC DATA

BREF = 7.4190 SQ.IN. YMRP = 3.4530 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 BREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

ALPHA = .000 CONFIG = 1.000

RUN NO. 67/ 0 RN/L = 6.66 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CSL	CAF	CAB	CL	CD	L/D
1.199	-10.360	-.01560	-.00110	.07420	.03240	-.00230	.03700	.03960	-.01550	.03710	-.41990
1.199	-6.370	-.01600	.00070	.05580	.02590	-.00180	.03710	.03830	-.01590	.03720	-.42820
1.199	-6.290	-.01530	.00200	.03890	.01930	-.00130	.03720	.03720	-.01520	.03730	-.40750
1.199	-4.180	-.01570	.00420	.02420	.01280	-.00100	.03690	.03700	-.01560	.03700	-.42280
1.199	-2.080	-.01610	.00560	.01220	.00600	-.00050	.03540	.03770	-.01600	.03540	-.45210
1.199	.000	-.01580	.00930	.00100	.00000	-.00010	.03340	.03910	-.01550	.03350	-.46300
1.199	2.070	-.01500	.00590	-.01060	-.00630	.00030	.03130	.04180	-.01490	.03130	-.47780
1.199	4.150	-.01470	.00610	-.02330	-.01210	.00080	.03120	.04290	-.01460	.03130	-.46770
1.199	6.290	-.01360	.00550	-.03860	-.01880	.00130	.03090	.04420	-.01350	.03090	-.43850
1.199	8.350	-.01350	.00450	-.05650	-.02490	.00180	.03040	.04570	-.01340	.03040	-.44060
1.199	10.360	-.01230	.00350	-.07810	-.03130	.00240	.02980	.04750	-.01220	.02980	-.40940
1.199	.000	-.01560	.00390	.00080	-.00040	.00000	.03310	.03960	-.01550	.03320	-.46740
GRADIENT		.00015	.00020	-.00568	-.00299	.00021	-.00075	.00077	.00015	-.00075	-.00556

RUN NO. 99/ 0 RN/L = 7.16 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CSL	CAF	CAB	CL	CD	L/D
1.959	-10.460	-.01420	-.01760	.09330	.03060	-.00250	.04530	.02350	-.01400	.04530	-.30930
1.959	-6.450	-.01400	-.01670	.06920	.02520	-.00200	.04490	.02250	-.01390	.04500	-.30930
1.959	-6.310	-.01480	-.01440	.04770	.01910	-.00140	.04490	.02130	-.01440	.04490	-.32140
1.959	-4.180	-.01450	-.01320	.02960	.01310	-.00090	.04410	.02090	-.01420	.04420	-.32160
1.959	-2.100	-.01520	-.01160	.01460	.00700	-.00040	.04340	.02000	-.01510	.04350	-.34700
1.959	.000	-.01570	-.01090	.00090	.00080	.00000	.04160	.02150	-.01560	.04160	-.37520
1.959	2.100	-.01440	-.01090	-.01300	-.00550	.00070	.04080	.02320	-.01420	.04080	-.34920
1.959	4.190	-.01390	-.01190	-.02840	-.01170	.00110	.04140	.02400	-.01380	.04140	-.33350
1.959	6.340	-.01240	-.01210	-.04650	-.01770	.00170	.04120	.02480	-.01230	.04120	-.29840
1.959	8.420	-.01180	-.01370	-.06970	-.02380	.00220	.04210	.02530	-.01160	.04220	-.27630
1.959	10.490	-.01100	-.01390	-.09450	-.02920	.00270	.04270	.02670	-.01090	.04280	-.25470
1.959	.000	-.01560	-.01090	.00000	.00010	.00010	.04050	.02200	-.01540	.04060	-.38040
GRADIENT		.00008	.00017	-.00687	-.00297	.00024	-.00038	.00049	.00008	-.00040	-.00124

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MS55 (FAS) WAR ATP CRB (SIC101F1M1)

(RT6105) (03 NOV 72)

REFERENCE DATA

BREF = 7.4190 SQ. IN. XDRP = 3.4530 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 SREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

ALPHA = 10.000 CONFIG = 1.000

RUN NO. 49/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
.996	-10.120	.05180	.03490	.06280	.02350	-.00320	.00000	.03230	.05090	.00960	5.26140
.996	-8.170	.05250	.03270	.06240	.02050	-.00290	.00090	.03110	.05140	.01070	4.80250
.996	-6.110	.05310	.03350	.04860	.01560	-.00210	.00200	.02990	.05180	.01180	4.37780
.996	-4.050	.05270	.03200	.02690	.01070	-.00160	.00170	.02980	.05150	.01150	4.47110
.996	-2.040	.05240	.03390	.01450	.00590	-.00080	.00050	.02990	.05130	.01020	5.02120
.996	-.010	.05480	.03670	.00340	.00190	-.00040	-.00050	.03120	.05390	.00960	5.61870
.996	2.020	.05380	.03480	-.01010	-.00350	.00020	.00000	.03030	.05290	.01000	5.29030
.996	4.050	.05620	.03570	-.02130	-.00740	.00080	-.00050	.03080	.05330	.00990	5.56350
.996	6.130	.05690	.03510	-.03630	-.01210	.00150	-.00040	.03080	.05600	.01010	5.53420
.996	8.150	.05600	.03610	-.05340	-.01730	.00210	-.00030	.03090	.05510	.01000	5.48090
.996	10.110	.05540	.03740	-.07330	-.02220	.00260	-.00210	.03360	.05490	.00810	6.73410
.996	.000	.05400	.03320	.00170	.00100	-.00050	.00040	.03020	.05300	.01040	5.08250
GRADIENT		.00041	.00041	-.00617	-.00225	.00029	-.00024	.00012	.00045	-.00017	.12101

RUN NO. 50/ 0 RN/L = 6.28 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
.902	-10.340	.05000	.03910	.10170	.03000	-.00340	.00320	.03630	.04850	.01250	3.83700
.902	-8.340	.05140	.03750	.07840	.02370	-.00290	.00450	.03560	.04960	.01400	3.52700
.902	-6.230	.05300	.03750	.05320	.01750	-.00230	.00490	.03490	.05310	.01510	3.50090
.902	-4.130	.05460	.03510	.03590	.01200	-.00180	.00480	.03430	.05270	.01490	3.52270
.902	-2.080	.05620	.03750	.01690	.00670	-.00110	.00470	.03350	.05430	.01510	3.58310
.902	-.010	.05670	.03770	.00140	.00120	-.00040	.00300	.03480	.05520	.01350	4.06960
.902	2.070	.05720	.03820	-.01200	-.00390	.00030	.00260	.03510	.05570	.01330	4.18680
.902	4.110	.05630	.03740	-.02630	-.00880	.00100	.00290	.03470	.05470	.01340	4.06660
.902	6.230	.05590	.03760	-.04650	-.01430	.00170	.00340	.03400	.05430	.01380	3.92370
.902	8.290	.05480	.03910	-.07080	-.02050	.00230	.00200	.03740	.05330	.01210	4.37250
.902	10.300	.05210	.04280	-.09510	-.02680	.00290	.00010	.03900	.05110	.00980	5.17360
.902	-.010	.05510	.03820	.00210	.00130	-.00020	.00260	.03460	.05360	.01280	4.16080
GRADIENT		.00021	.00026	-.00743	-.00253	.00034	-.00029	.00012	.00026	-.00023	.08208

W55 (FAS) WAR ATP CRB (BICIDIFIM)

(R76103) (03 NOV 72)

REFERENCE DATA

BREF = 7.4190 SQ. IN. XMRP = 3.4330 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 BREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

ALPHA = 10.000 CONFIG = 1.000

RUN NO. 51/ 0 RN/L = 6.68 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
1.197	-10.490	.07490	.04230	.10990	.03310	-.00330	.02680	.04630	.06850	.04050	1.69210
1.197	-8.460	.07330	.04010	.08250	.02660	-.00290	.02650	.04520	.06660	.04180	1.59310
1.197	-6.320	.07260	.03740	.05630	.02000	-.00240	.02930	.04540	.06370	.04240	1.54930
1.197	-4.200	.07170	.03370	.03710	.01330	-.00180	.02880	.04590	.06300	.04180	1.55480
1.197	-2.110	.07160	.03470	.01660	.00740	-.00120	.02850	.04610	.06490	.04150	1.56490
1.197	-.010	.06920	.03600	.00160	.00160	-.00020	.02770	.04580	.06280	.04020	1.56090
1.197	2.100	.07070	.03680	-.01620	-.00460	.00050	.02760	.04610	.06420	.04040	1.56690
1.197	4.170	.07200	.03690	-.03420	-.01030	.00130	.02790	.04600	.06540	.04100	1.59560
1.197	6.320	.07410	.03990	-.05530	-.01710	.00190	.02800	.04710	.06750	.04150	1.62580
1.197	8.430	.07590	.04310	-.07950	-.02400	.00250	.02670	.04790	.06950	.04060	1.71240
1.197	10.440	.08000	.04650	-.10720	-.03040	.00300	.02450	.04900	.07390	.03920	1.88480
1.197	.000	.06900	.03560	.00000	.00110	-.00030	.02780	.04520	.06260	.04030	1.55350
GRADIENT		-.00001	.00022	-.00847	-.00283	.00038	-.00013	.00001	.00000	-.00013	.00495

RUN NO. 97/ 0 RN/L = 7.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
1.961	-10.530	.08900	.02180	.12700	.02650	-.00340	.03350	.02810	.08110	.04980	1.62610
1.961	-8.520	.08620	.02120	.09890	.02220	-.00280	.03330	.02840	.07840	.04900	1.60020
1.961	-6.370	.08490	.02070	.07100	.01720	-.00220	.03440	.02790	.07680	.04980	1.54270
1.961	-4.250	.08270	.02040	.04610	.01180	-.00170	.03370	.02790	.07480	.04870	1.53750
1.961	-2.130	.08030	.02040	.02400	.00650	-.00110	.03270	.02790	.07270	.04720	1.53860
1.961	-.010	.07920	.02240	.00260	.00100	-.00040	.03280	.02620	.07160	.04710	1.51960
1.961	2.120	.08130	.02300	-.01940	-.00440	.00060	.03350	.02560	.07350	.04820	1.52430
1.961	4.210	.08310	.02400	-.04120	-.00950	.00120	.03350	.02650	.07320	.04860	1.54060
1.961	6.360	.08600	.02420	-.06620	-.01500	.00180	.03430	.02610	.07990	.05030	1.56830
1.961	8.500	.09000	.02490	-.09600	-.02010	.00240	.03420	.02640	.08190	.05070	1.61670
1.961	10.560	.09430	.02550	-.12640	-.02510	.00310	.03360	.02700	.08620	.05090	1.69280
1.961	-.010	.07930	.02340	.00190	.00050	-.00020	.03280	.02610	.07170	.04720	1.51810
GRADIENT		.00008	.00046	-.01030	-.00253	.00035	.00002	-.00024	.00007	.00004	.00036

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M355 (FAS) NAR ATP CRB (BIC1D1F1M1)

(R76105) (03 NOV 92)

REFERENCE DATA

PARAMETRIC DATA

BREF = 7.4190 SQ. IN. YMRP = 3.4530 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 BREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

ALPHA = 10.000 CONFIG = 1.000

RUN NO. 4/ 0 RN/L = 4.13 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
2.990	-10.170	.08200	.00920	.11130	.02080	-.00340	.03640	.01350	.07380	.05110	1.44530
2.990	-8.220	.07890	.01000	.08920	.01670	-.00280	.03570	.01320	.07090	.04980	1.42350
2.990	-6.180	.07670	.01040	.08730	.01250	-.00220	.03450	.01350	.06890	.04810	1.43160
2.990	-4.100	.07320	.01120	.04410	.00840	-.00190	.03350	.01360	.06570	.04650	1.41240
2.990	-2.050	.07290	.01260	.02280	.00460	-.00080	.03190	.01350	.06570	.04490	1.46240
2.990	.000	.07180	.01270	.00260	.00050	-.00010	.03110	.01370	.06470	.04390	1.47400
2.990	2.040	.07280	.01220	-.01860	-.00390	.00060	.03160	.01340	.06560	.04450	1.47230
2.990	4.080	.07290	.01210	-.04150	-.00770	.00100	.03280	.01300	.06560	.04580	1.43110
2.990	6.170	.07650	.01340	-.06520	-.01170	.00190	.03380	.01260	.06890	.04740	1.45200
2.990	8.230	.07950	.01270	-.08870	-.01590	.00250	.03400	.01260	.07180	.04830	1.48700
2.990	10.210	.08310	.01200	-.11200	-.01990	.00310	.03490	.01270	.07520	.04980	1.50920
GRADIENT		-.00003	.00007	-.01040	-.00199	.00031	-.00008	-.00006	-.00001	-.00009	.00232

RUN NO. 3/ 0 RN/L = 4.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
4.959	-10.020	.05720	.00310	.08400	.01510	-.00270	.03720	.00280	.04940	.04720	1.04650
4.959	-8.110	.05500	.00180	.06370	.01180	-.00220	.03520	.00290	.04760	.04480	1.06170
4.959	-6.070	.05450	.00490	.05140	.00860	-.00170	.03410	.00300	.04730	.04360	1.08510
4.959	-4.040	.05230	.00440	.03310	.00550	-.00120	.03190	.00320	.04550	.04100	1.10800
4.959	-2.020	.05250	.00770	.01870	.00290	-.00060	.02990	.00350	.04610	.03910	1.17900
4.959	.000	.05050	.00810	.00330	.00020	-.00010	.02880	.00320	.04430	.03760	1.17690
4.959	2.020	.05050	.00620	-.01540	-.00220	.00020	.03090	.00180	.04390	.03980	1.10430
4.959	4.020	.05270	.00720	-.03200	-.00480	.00100	.03210	.00220	.04580	.04130	1.11070
4.959	6.100	.05520	.00630	-.04850	-.00780	.00150	.03290	.00270	.04810	.04260	1.13040
4.959	8.110	.05700	.00330	-.06620	-.01110	.00200	.03340	.00280	.04980	.04330	1.14930
4.959	10.050	.05890	.00290	-.08340	-.01430	.00250	.03520	.00280	.05100	.04540	1.12330
4.959	.010	.05780	.00590	-.01740	.00230	.00070	.02940	.00300	.05140	.03960	1.29700
GRADIENT		-.00006	.00020	-.00815	-.00127	.00026	.00007	-.00018	-.00008	.00006	-.00343

N559 (FAS) MAR ATP CRB (S1C1D1F1M1)

(RP6106) (03 NOV 72)

REFERENCE DATA

SREF = 7.4190 SQ. IN. YMRP = 3.4930 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 SREF = 4.0300 IN. YMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

ALPHA = 20.000 CONFIG = 1.000

RUN NO. 70/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
.996	-10.140	.13920	.05650	.10160	.02420	-.00460	-.01300	.03920	.13470	.03770	3.57220
.996	-6.190	.13790	.05530	.07730	.01830	-.00400	-.01270	.03980	.13330	.03750	3.55440
.996	-6.120	.13890	.05330	.05510	.01290	-.00350	-.01190	.03960	.13400	.03660	3.46580
.996	-4.070	.13950	.05360	.03090	.00940	-.00270	-.01330	.04020	.13500	.03740	3.60290
.996	-2.020	.13790	.05170	.00530	.00600	-.00180	-.01530	.04050	.13430	.03510	3.82610
.996	.000	.13660	.05330	-.00540	.00120	-.00090	-.01650	.04100	.13530	.03420	3.95110
.996	2.030	.13660	.05160	-.01170	-.00400	.00000	-.01820	.04220	.13610	.03270	4.16040
.996	4.040	.14000	.05360	-.02530	-.00860	.00110	-.01670	.04090	.13670	.03450	3.96330
.996	6.140	.14250	.05490	-.04620	-.01140	.00200	-.01260	.03910	.13760	.03920	3.50820
.996	8.150	.14120	.05840	-.07420	-.01490	.00280	-.01320	.03940	.13660	.03820	3.57500
.996	10.100	.14320	.05920	-.09980	-.02010	.00370	-.01470	.03870	.13900	.03750	3.69760
.996	.000	.13670	.05210	-.00810	.00120	-.00080	-.01590	.04080	.13340	.03410	3.90960
GRADIENT		.00009	.00000	-.00639	-.00227	.00046	-.00048	.00015	.00026	-.00041	.05215

RUN NO. 80/ 0 RN/L = 6.26 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
.903	-10.480	.17050	.07050	.15710	.03150	-.00620	-.01020	.04520	.16270	.05210	3.11810
.903	-6.480	.17180	.07430	.13400	.02470	-.00540	-.00980	.04500	.16370	.05310	3.08210
.903	-6.320	.16880	.07320	.09210	.01720	-.00440	-.00840	.04370	.16040	.05320	3.01000
.903	-4.180	.16550	.07320	.04620	.01190	-.00320	-.00900	.04480	.15760	.05130	3.06000
.903	-2.080	.16410	.07420	.01760	.00690	-.00200	-.00870	.04450	.15610	.05120	3.04710
.903	.000	.16390	.07150	-.00150	.00050	-.00100	-.01070	.04560	.15670	.04920	3.17980
.903	2.070	.16640	.07280	-.01590	-.00540	.00010	-.01160	.04710	.16120	.05010	3.21590
.903	4.130	.16650	.07380	-.03750	-.01090	.00130	-.00920	.04380	.15850	.05160	3.06820
.903	6.340	.16900	.07590	-.06400	-.01680	.00290	-.00850	.04260	.16060	.05320	3.01570
.903	8.490	.16910	.07260	-.14710	-.02460	.00460	-.01040	.04370	.15770	.05000	3.15070
.903	10.510	.17180	.07290	-.17690	-.03220	.00560	-.01160	.04410	.16400	.05120	3.19870
.903	.000	.16570	.07280	-.00150	.00010	-.00080	-.01110	.04590	.15840	.04960	3.19240
GRADIENT		.00030	.00018	-.00987	-.00279	.00053	-.00016	.00003	.00033	-.00004	.00896

MS55 (PA3) NAR ATP ORB (B1C1D1F1M1)

(R76106) (03 NOV 72)

REFERENCE DATA

PARAMETRIC DATA

BREF = 7.4190 SO.IN. XMRP = 3.4530 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 SREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

ALPHA = 20.000 CONFIG = 1.000

RUN NO. 66/ 0 RN/L = 6.66 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
1.196	-10.620	.24290	.07550	.16240	.03030	-.00670	.01540	.05400	.22030	.10340	2.12940
1.196	-8.590	.23430	.07580	.14160	.02140	-.00610	.01740	.05160	.21160	.10210	2.07290
1.196	-6.430	.22370	.07890	.11540	.01320	-.00510	.01790	.05100	.20160	.09670	2.04280
1.196	-4.290	.21290	.08170	.07590	.00900	-.00380	.01880	.05070	.19130	.09540	2.00360
1.196	-2.120	.20640	.08430	.03800	.00500	-.00240	.01900	.05010	.18510	.09320	1.98500
1.196	-.010	.20290	.08850	.00710	-.00020	-.00100	.01840	.05020	.18210	.09140	1.99180
1.196	2.120	.20600	.08640	-.02880	-.00570	.00010	.01920	.04930	.18470	.09330	1.97940
1.196	4.250	.21470	.08650	-.06780	-.01000	.00160	.01920	.04960	.19270	.09640	1.99740
1.196	6.490	.22680	.08270	-.11340	-.01370	.00340	.01620	.05110	.20510	.09820	2.08650
1.196	8.560	.23920	.08190	-.15020	-.01910	.00470	.01400	.05220	.21740	.10080	2.15520
1.196	10.610	.24890	.08380	-.17290	-.02810	.00560	.01210	.05360	.22700	.10270	2.20910
1.196	.000	.20240	.08940	.00510	-.00090	-.00090	.01790	.05030	.18180	.09080	2.00260
GRADIENT		.00015	.00064	-.01661	-.00228	.00062	.00005	-.00014	.00011	.00010	-.00085

RUN NO. 96/ 0 RN/L = 7.16 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
1.957	-10.630	.25010	.04870	.16960	.02090	-.00580	.02370	.03130	.22380	.11400	1.96230
1.957	-8.620	.24480	.04860	.14450	.01570	-.00510	.02400	.03190	.21880	.11220	1.94910
1.957	-6.460	.23930	.04920	.11370	.01070	-.00420	.02390	.03220	.21380	.11010	1.94190
1.957	-4.310	.23240	.05020	.08000	.00650	-.00310	.02340	.03180	.20760	.10710	1.93840
1.957	-2.160	.22340	.05440	.04280	.00310	-.00180	.02290	.03120	.20120	.10400	1.93430
1.957	-.020	.22180	.05690	.00700	-.00010	-.00080	.02180	.03050	.19830	.10160	1.95180
1.957	2.120	.22420	.05880	-.02960	-.00350	.00030	.02210	.03040	.20040	.10290	1.94810
1.957	4.250	.23090	.05730	-.06650	-.00630	.00130	.02320	.03120	.20630	.10640	1.95830
1.957	6.460	.24060	.05550	-.10530	-.00980	.00240	.02310	.03190	.21530	.10990	1.95800
1.957	8.590	.24710	.05540	-.13870	-.01440	.00340	.02340	.03210	.22120	.11260	1.96370
1.957	10.680	.25420	.05620	-.16920	-.01950	.00450	.02230	.03210	.22810	.11430	1.99430
1.957	.000	.21930	.05780	.00440	-.00050	-.00060	.02060	.03040	.19630	.09950	1.97360
GRADIENT		-.00020	.00087	-.01707	-.00150	.00051	-.00006	-.00009	-.00016	-.00012	.00064

MS58 (FAS) WAR ATP CRB (BIC101F1M1)

(R78108) (03 NOV 72)

REFERENCE DATA

BREF * 7.4190 SQ. IN. XMRP = 3.4530 IN.
 LREF * 2.1020 IN. YMRP = .0000 IN.
 BREF * 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

ALPHA = 20.000 CONF16 = 1.000

RUN NO. 5/ 1 RN/L = 4.13 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CSL	CAF	CAB	CL	CD	L/D
2.990	-10.200	.21320	.04340	.12680	.01680	-.00400	.03160	.01280	.18750	.10630	1.76340
2.990	-8.240	.20920	.04840	.10490	.01290	-.00340	.02950	.01380	.18450	.10290	1.79280
2.990	-6.170	.20540	.04860	.08140	.00930	-.00280	.02740	.01440	.18170	.09960	1.82420
2.990	-4.110	.20270	.05030	.05500	.00590	-.00200	.02580	.01450	.17980	.09710	1.85160
2.990	-2.050	.19900	.05080	.02810	.00290	-.00110	.02420	.01450	.17690	.09430	1.87550
2.990	.000	.19850	.05070	.00250	-.00020	-.00090	.02340	.01440	.17670	.09340	1.89180
2.990	2.050	.19920	.05240	-.02300	-.00340	.00030	.02410	.01430	.17710	.09420	1.87890
2.990	4.110	.20110	.05160	-.05160	-.00640	.00100	.02480	.01430	.17870	.09560	1.86830
2.990	6.190	.20550	.04970	-.07780	-.00960	.00180	.02570	.01430	.18240	.09800	1.86000
2.990	8.240	.21050	.05000	-.10370	-.01270	.00250	.02730	.01420	.18650	.10140	1.84000
2.990	10.200	.21630	.04810	-.12730	-.01680	.00320	.02870	.01390	.19320	.10550	1.83050
GRADIENT		-.00015	.00020	-.01296	-.00150	.00036	-.00010	-.00003	-.00010	-.00015	.00179

RUN NO. 6/ 1 RN/L = 4.84 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CSL	CAF	CAB	CL	CD	L/D
4.959	-10.020	.17490	.04090	.09390	.01100	-.00260	.03450	.00230	.15100	.09480	1.59200
4.959	-8.110	.17430	.04020	.07230	.00870	-.00220	.03200	.00270	.15130	.09220	1.63970
4.959	-6.060	.17040	.04120	.05230	.00630	-.00180	.02960	.00290	.14860	.08860	1.67710
4.959	-4.040	.16800	.04480	.03630	.00410	-.00110	.02780	.00310	.14700	.08590	1.71190
4.959	-2.020	.16620	.04520	.01860	.00180	-.00060	.02650	.00330	.14570	.08420	1.72950
4.959	.000	.16450	.04500	.00040	-.00030	-.00030	.02510	.00340	.14460	.08220	1.75800
4.959	2.040	.16800	.04650	-.01770	-.00230	.00020	.02530	.00330	.14790	.08370	1.76570
4.959	4.040	.16920	.04400	-.03340	-.00490	.00050	.02620	.00350	.14860	.08500	1.74890
4.959	6.100	.17260	.04440	-.05310	-.00700	.00110	.02770	.00350	.15130	.08760	1.72740
4.959	8.110	.17450	.04100	-.07350	-.00950	.00150	.02920	.00350	.15250	.08960	1.70080
4.959	10.040	.17830	.04000	-.09240	-.01170	.00200	.03120	.00330	.15530	.09290	1.67170
GRADIENT		.00021	-.00001	-.00889	-.00109	.00020	-.00020	.00004	.00027	-.00011	.00346

M555 (FAS) NAR ATP ORB (BIC101F1M1)

(R76107) (03 NOV 72)

REFERENCE DATA

GREP = 7.4190 IN. YMRP = 3.4530 IN.
 LREP = 2.1020 IN. YMRP = .0000 IN.
 BREP = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

ALPHA = 30.000 CONFIG = 1.000

RUN NO. 6/ 0 RN/L = 4.13 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
2.990	-10.170	.38490	.08760	.12440	.01620	-.00360	.02660	.01400	.29690	.21370	1.38910
2.990	-8.210	.36080	.08820	.09710	.01300	-.00300	.02550	.01360	.29400	.21060	1.39620
2.990	-6.160	.33840	.09020	.07190	.01000	-.00250	.02400	.01380	.29280	.20810	1.40660
2.100	-4.100	.35560	.09140	.04690	.00650	-.00180	.02280	.01370	.29110	.20560	1.41570
2.990	-2.040	.35540	.09180	.02300	.00260	-.00130	.02190	.01390	.29130	.20470	1.42290
2.990	.000	.35230	.09400	.00010	-.00050	-.00090	.02150	.01380	.28890	.20270	1.42500
2.990	2.000	.35410	.09320	-.02470	-.00440	-.00050	.02130	.01370	.29050	.20360	1.42700
2.990	4.110	.35710	.09320	-.04800	-.00770	.00020	.02140	.01370	.29300	.20520	1.42810
2.990	6.180	.35850	.09250	-.07120	-.01140	.00060	.02240	.01320	.29370	.20680	1.42030
2.990	8.240	.36140	.09160	-.09640	-.01490	.00110	.02290	.01340	.29590	.20870	1.41760
2.990	10.210	.36750	.09090	-.12210	-.01800	.00180	.02430	.01350	.30030	.21320	1.40840
GRADIENT		.00008	.00024	-.01156	-.00172	.00023	-.00017	-.00001	.00015	-.00009	.00141

RUN NO. 7/ 0 RN/L = 4.84 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
4.959	-10.010	.32630	.07850	.08800	.01020	-.00260	.03290	.00160	.26180	.19760	1.32480
4.959	-8.080	.32260	.07880	.06700	.00800	-.00230	.03120	.00180	.25940	.19420	1.33620
4.959	-6.060	.31810	.08190	.04870	.00580	-.00170	.02910	.00190	.25670	.19010	1.35050
4.959	-4.040	.31620	.08410	.03160	.00350	-.00140	.02850	.00200	.25540	.18860	1.35420
4.959	-2.010	.31730	.08480	.01390	.00110	-.00120	.02720	.00190	.25700	.18810	1.36630
4.959	.000	.31430	.08700	-.00080	-.00050	-.00070	.02670	.00180	.25470	.18610	1.36860
4.959	2.040	.31710	.08440	-.02010	-.00280	-.00050	.02680	.00160	.25700	.18760	1.37010
4.959	4.040	.31980	.08710	-.03440	-.00500	-.00030	.02670	.00160	.25940	.18900	1.37250
4.959	6.110	.32120	.08430	-.05260	-.00770	-.00010	.02740	.00140	.26030	.19030	1.36780
4.959	8.110	.32220	.08510	-.07080	-.00990	.00040	.02810	.00120	.26070	.19130	1.36250
4.959	10.050	.32690	.08310	-.08840	-.01180	.00070	.03010	.00110	.26370	.19550	1.34880
GRADIENT		.00035	.00028	-.00821	-.00103	.00014	-.00020	-.00005	.00040	.00001	.00200

M355 (FAS) NAR ATP ORB (B1C1D1F1M1)

(R76108) (03 NOV 72)

REFERENCE DATA

GREY = 7.4190 SQ. IN. XGRP = 3.4530 IN.
 LREF = 2.1020 IN. YGRP = .0000 IN.
 BREF = 4.0300 IN. ZGRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

ALPHA = 50.000 CONF16 = 1.000

RUN NO. 204/ 0 RN/L = 4.14 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
2.990	-10.090	.67610	.14910	.10170	.01070	-.00270	.01920	.01140	.40460	.34200	.74640
2.990	-8.190	.67640	.15110	.08020	.00820	-.00230	.01890	.01150	.40500	.34210	.74720
2.990	-6.120	.67560	.15210	.05670	.00560	-.00200	.01830	.01140	.40500	.34110	.74850
2.990	-4.060	.67490	.15430	.03610	.00330	-.00150	.01800	.01120	.40470	.34030	.74900
2.990	-2.020	.67380	.15420	.01690	.00080	-.00130	.01800	.01070	.40410	.33950	.74900
2.990	.010	.67460	.15440	-.00290	-.00190	-.00110	.01730	.01140	.40530	.33980	.75070
2.990	2.050	.67630	.15360	-.02460	-.00430	-.00080	.01690	.01200	.40660	.34090	.75160
2.990	4.060	.67560	.15350	-.04590	-.00680	-.00050	.01670	.01240	.40800	.34240	.75210
2.990	6.140	.68020	.15230	-.06880	-.00950	-.00030	.01680	.01170	.40900	.34380	.75200
2.990	8.170	.68060	.15140	-.09080	-.01250	.00010	.01700	.01180	.40910	.34440	.75160
2.990	10.130	.68180	.15050	-.11360	-.01510	.00040	.01710	.01190	.40970	.34520	.75150
GRADIENT		.00050	-.00011	-.01032	-.00125	.00012	-.00016	.00016	.00045	.00029	.00043

RUN NO. 203/ 0 RN/L = 4.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
4.959	-10.000	.64080	.14280	.08660	.00820	-.00190	.02950	.00080	.37750	.51820	.72850
4.959	-8.080	.63890	.14260	.06730	.00620	-.00160	.02810	.00090	.37770	.51610	.73170
4.959	-6.060	.63960	.14410	.04960	.00430	-.00130	.02710	.00100	.37890	.51600	.73420
4.959	-4.030	.63860	.14410	.03200	.00250	-.00140	.02720	.00090	.37830	.51550	.73390
4.959	-2.010	.63930	.14370	.01490	.00060	-.00130	.02640	.00070	.37920	.51540	.73580
4.959	.000	.63970	.14520	-.00210	-.00080	-.00140	.02580	.00120	.37990	.51530	.73730
4.959	2.020	.64050	.14410	-.02080	-.00280	-.00120	.02510	.00160	.38090	.51550	.73890
4.959	4.020	.64080	.14460	-.03790	-.00450	-.00100	.02500	.00170	.38120	.51570	.73930
4.959	6.070	.64270	.14460	-.05550	-.00630	-.00070	.02490	.00160	.38250	.51710	.73970
4.959	8.070	.64490	.14360	-.07370	-.00830	-.00030	.02530	.00140	.38350	.51910	.73880
4.959	10.030	.64510	.14070	-.09360	-.01060	-.00010	.02560	.00130	.38350	.51940	.73830
GRADIENT		.00026	-.00003	-.00872	-.00086	.00005	-.00028	.00012	.00037	.00002	.00069

MS55(PA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)

(R76201) (03 NOV 72)

REFERENCE DATA

SREF = 7.4190 SQ. IN. XMRP = 3.4530 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 BREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

BETA = .000 CONFIG = 2.000
 ELEVTR = .000 OBDELV = .000
 IBDELV = .000 AIRLON = .000
 OBDAIL = .000 IBDAIL = .000

RUN NO. 60/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CSL	CAF	CAB	CL	CD	L/D
.596	.670	-.02160	.01760	.00670	.00290	-.00040	.01490	.02480	-.02200	.01470	-1.49550
.596	2.670	.06920	.01300	.00770	.00400	.00020	.01500	.02380	.06650	.01620	3.75610
.596	4.790	.16390	.00710	.00670	.00410	.00000	.01040	.02390	.16240	.02400	6.74860
.596	6.890	.26030	-.00030	.00370	.00450	.00060	.00400	.02370	.25800	.03520	7.31220
.596	9.000	.37170	-.01370	.00270	.00470	.00110	-.00060	.02400	.36720	.05740	6.38820
.596	11.100	.47310	-.02490	-.00130	.00450	.00060	-.00310	.02430	.46480	.08600	5.27710
.596	13.210	.56560	-.03640	-.00360	.00480	-.00010	-.00600	.02600	.57170	.12800	4.46340
.596	15.290	.67190	-.03860	-.00330	.00440	.00050	-.00760	.02950	.65020	.16980	3.62860
.596	17.440	.76370	-.04270	-.00640	.00410	.00150	-.00950	.03350	.73150	.21990	3.32640
.596	19.510	.84160	-.04160	-.00730	.00340	-.00030	-.01230	.04150	.79750	.26920	2.96210
.596	21.480	.87420	-.03290	-.01000	.00500	-.00270	-.01180	.04770	.81780	.30920	2.64450
.596	11.120	.46530	-.02450	-.00220	.00450	.00090	-.00310	.02470	.47680	.09050	5.26350
GRADIENT		.04507	-.00260	-.00049	.00029	.00010	-.00110	-.00022	.04475	.00226	1.99511

RUN NO. 59/ 0 RN/L = 6.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CSL	CAF	CAB	CL	CD	L/D
.905	.640	-.05990	.04340	.01280	.00290	-.00150	.02330	.02410	-.06010	.02260	-2.65380
.905	2.720	.04300	.03790	.01000	.00320	-.00150	.02210	.02310	.04190	.02410	1.73510
.905	4.940	.16570	.02270	.00650	.00350	-.00080	.01610	.02320	.16370	.03030	5.39620
.905	7.170	.29250	.00620	.00540	.00330	-.00060	.01400	.02360	.26650	.05050	5.71170
.905	9.370	.40550	-.00430	.00240	.00380	.00070	.01400	.02640	.39780	.07980	4.98110
.905	11.550	.51740	-.01930	-.00220	.00470	.00210	.01480	.02960	.50390	.11820	4.26050
.905	13.750	.62730	-.03500	-.00620	.00490	.00430	.01430	.03380	.60590	.16300	3.71530
.905	15.910	.73370	-.04410	-.01370	.00600	.00490	.01650	.03960	.70100	.21710	3.22860
.905	18.170	.83630	-.04320	-.01270	.00470	.00050	.01970	.04770	.79030	.28020	2.82020
.905	20.240	.86510	-.02910	-.00850	.00490	-.00710	.01830	.05650	.82400	.32340	2.54760
.905	22.270	.92590	-.02420	-.01480	.00540	-.00180	.01220	.06360	.85220	.36230	2.35200
.905	11.560	.52120	-.01840	-.00220	.00430	.00180	.01670	.02950	.50730	.12100	4.19260
GRADIENT		.05250	-.00530	-.00147	.00014	.00016	-.00169	-.00021	.05208	.00180	1.86960

M555 (FAS) MAR ATP ORS (BICIDIFINI) (WIEI)

(R76201) (03 NOV 72)

REFERENCE DATA

SREF = 7.4190 SQ. IN. XMRP = 3.4330 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 SREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

BETA = .000 CONFIG = 2.000
 ELEVTR = .000 CBDELV = .000
 IBDDELV = .000 ATLRON = .000
 CBODAIL = .000 IBDAIL = .000

RUN NO. 55/ 0 RN/L = 6.70 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
1.195	.790	.01370	.02670	.00730	.00350	-.00040	.04560	.04370	.01310	.04560	.28710
1.195	2.900	.13860	-.00250	.00530	.00410	.00000	.04520	.04440	.13610	.05220	2.60720
1.195	9.190	.27510	-.03800	.00340	.00470	-.00020	.04520	.04320	.26990	.06970	3.67050
1.195	7.430	.40900	-.06510	-.00020	.00520	.00010	.04560	.04130	.39970	.09810	4.07160
1.195	9.880	.53840	-.09010	-.00510	.00590	.00010	.04570	.04170	.52310	.13560	3.89710
1.195	11.930	.66780	-.11410	-.00800	.00600	-.00020	.04630	.04230	.64360	.18340	3.50790
1.195	14.220	.79680	-.13250	-.01000	.00610	.00010	.04710	.04540	.76080	.24140	3.15100
1.195	16.420	.89210	-.13760	-.01340	.00630	.00250	.04760	.04900	.84230	.29790	2.82730
1.195	18.700	1.00310	-.14840	-.01670	.00570	.00190	.04700	.05390	.93700	.36680	2.55360
1.195	20.870	1.09970	-.15390	-.01830	.00540	-.00030	.04530	.05550	1.01130	.43420	2.32880
1.195	22.950	1.16020	-.14900	-.01930	.00560	.00060	.04140	.05910	1.05220	.49060	2.14450
1.195	11.940	.67250	-.11410	-.00770	.00580	-.00010	.04620	.04270	.64830	.18440	3.51430
GRADIENT		.05919	-.01384	-.00095	.00028	.00019	-.00019	.00033	.05829	.00303	1.09957

RUN NO. 98/ 0 RN/L = 7.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
1.961	.730	.02800	-.01750	.00780	.00380	-.00090	.05710	.02330	.02730	.05750	.47540
1.961	2.790	.10790	-.03090	.00620	.00400	-.00120	.05590	.02500	.10510	.06110	1.72040
1.961	5.000	.19080	-.04460	.00440	.00440	-.00130	.05580	.02540	.18520	.07220	2.56310
1.961	7.180	.27050	-.05690	.00210	.00480	-.00110	.05590	.02580	.26140	.08930	2.92490
1.961	9.360	.34840	-.06990	.00040	.00510	-.00070	.05570	.02550	.33470	.11160	2.99800
1.961	11.530	.42680	-.08230	-.00130	.00530	-.00040	.05560	.02500	.40700	.13980	2.91000
1.961	13.740	.50650	-.09210	-.00260	.00570	-.00010	.05470	.02480	.47900	.17350	2.75970
1.961	15.900	.58230	-.10130	-.00510	.00510	.00030	.05260	.02570	.54550	.21020	2.59540
1.961	18.160	.66300	-.10850	-.00890	.00480	.00120	.05020	.02600	.61430	.25450	2.41380
1.961	20.320	.73640	-.11110	-.00890	.00490	.00170	.04760	.02610	.67400	.30040	2.24360
1.961	22.410	.81140	-.11730	-.01000	.00450	.00360	.04480	.02750	.73300	.35080	2.08930
1.961	11.920	.41890	-.07810	-.00060	.00510	-.00060	.05490	.02540	.39950	.13750	2.90560
GRADIENT		.03612	-.00634	-.00080	.00014	-.00009	-.00030	.00049	.03697	.00346	.48762

MS55 (FA3) MAR ATP ORB (BIC1DIF1M1) (W1E1)

(R76201) (03 NOV 72)

REFERENCE DATA

PARAMETRIC DATA

GREP = 7.4190 SQ. IN. XMRP = 3.4530 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 BREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

BETA = .000 CONFIG = 2.000
 ELEVTR = .000 CBDELV = .000
 ISDELV = .000 AILRON = .000
 CSDAIL = .000 ISDAIL = .000

RUN NO. 19/ 0 RN/L = 4.12 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CSL	CAF	CAB	CL	CD	L/D
2.990	.660	-.00130	-.02390	.00730	.00240	-.00090	.03930	.01250	-.00200	.05930	-.03420
2.990	2.630	.04860	-.02690	.00530	.00240	-.00060	.03610	.01290	.04590	.06020	.76270
2.990	4.690	.10290	-.03210	.00450	.00260	-.00070	.03760	.01290	.09780	.06600	1.46020
2.990	6.790	.15990	-.03370	.00300	.00290	-.00050	.03620	.01290	.15210	.07470	2.03960
2.990	8.640	.22020	-.04230	.00130	.00300	-.00030	.03440	.01320	.20920	.08760	2.36610
2.990	10.920	.28110	-.04820	.00010	.00310	-.00010	.03270	.01320	.26600	.10500	2.53190
2.990	13.020	.34600	-.05420	-.00120	.00320	.00020	.03160	.01320	.32340	.12830	2.53660
2.990	15.080	.41410	-.06130	-.00270	.00330	.00050	.03030	.01340	.38660	.15640	2.47290
2.990	17.210	.48500	-.06920	-.00510	.00330	.00060	.02880	.01340	.44890	.19010	2.36060
2.990	19.280	.55760	-.07320	-.00530	.00340	.00120	.02710	.01360	.51080	.22860	2.23420
2.990	21.260	.62990	-.08290	-.00560	.00310	.00150	.02580	.01390	.57030	.27110	2.10330
GRADIENT		.02586	-.00203	-.00069	.00010	.00005	-.00037	.00010	.02477	.00167	.37557

RUN NO. 20/ 0 RN/L = 4.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CSL	CAF	CAB	CL	CD	L/D
4.959	.660	-.02550	-.02270	.00450	.00160	-.00030	.05630	.00300	-.02620	.05600	-.46750
4.959	2.590	.01270	-.02650	.00280	.00160	-.00030	.05410	.00210	.01030	.05460	.18870
4.959	4.620	.05060	-.02770	.00210	.00180	-.00020	.05300	.00270	.04620	.05690	.61150
4.959	6.670	.09030	-.02890	.00090	.00160	.00000	.05130	.00310	.08370	.06150	1.36100
4.959	8.680	.13730	-.02990	.00080	.00190	.00040	.04880	.00330	.12830	.06900	1.86080
4.959	10.720	.18480	-.03410	.00010	.00190	.00050	.04730	.00340	.17270	.08090	2.13480
4.959	12.780	.23780	-.03470	-.00160	.00220	.00070	.04530	.00350	.22180	.09680	2.29020
4.959	14.800	.29230	-.04030	-.00340	.00230	.00080	.04430	.00360	.27120	.11760	2.30640
4.959	16.880	.35240	-.04450	-.00470	.00180	.00120	.04290	.00350	.32470	.14340	2.26350
4.959	18.890	.41170	-.04690	-.00700	.00270	.00180	.04250	.00330	.37570	.17350	2.16480
4.959	20.850	.47590	-.05620	-.00990	.00280	.00180	.04310	.00330	.42930	.20970	2.04650
GRADIENT		.01921	-.00126	-.00060	.00005	.00003	-.00083	-.00007	.01628	.00024	.32284

M555(PA3) NAR ATP CRB (SIC10(FIM1)(WIE1)

(R75202) (03 NOV 72)

REFERENCE DATA

GREF = 7.4190 SQ. IN. YMRP = 3.4530 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 SREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

BETA = .000 CONFIG = 2.000
 ELEVTR = .000 CBDELV = .000
 IBDDELV = .000 AILRON = .000
 CBDAIL = .000 IBDAIL = .000

RUN NO. 61/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
.597	22.010	.86480	-.02850	-.02410	.00790	-.00270	-.01190	.04900	.80620	.31310	2.57430
.597	23.930	.89600	-.02610	-.02630	.00840	-.00110	-.01390	.05310	.82460	.35080	2.35060
.597	26.000	.94500	-.02730	-.02050	.00750	-.00240	-.01490	.05610	.85590	.40080	2.13510
.597	28.050	.99780	-.03260	-.00870	.00340	-.00790	-.01660	.06180	.88830	.45460	1.95390
.597	30.100	1.05230	-.04270	.00420	.00740	-.00970	-.01900	.06760	.91980	.51140	1.79860
.597	32.180	1.13800	-.05360	-.00880	.00960	-.00410	-.02280	.07020	.97520	.56680	1.66160
.597	34.290	1.21270	-.05740	-.02100	.01040	.00230	-.02640	.07280	1.01680	.66130	1.53730
.597	36.320	1.28470	-.05450	-.02870	.00960	.00380	-.03270	.07560	1.05440	.73470	1.43510
.597	38.460	1.34340	-.05200	-.02730	.00710	.00170	-.03880	.07860	1.07600	.80530	1.33600
.597	40.500	1.41720	-.05270	-.02260	.00590	.00130	-.04380	.08060	1.10610	.88700	1.24680
.597	42.500	1.47040	-.05310	-.02260	.00550	.00100	-.04900	.08100	1.11710	.95730	1.16690
.597	32.210	1.13660	-.05350	-.00930	.01000	-.00380	-.02360	.07070	.97590	.58690	1.66280
GRADIENT		.03108	-.00180	-.00029	-.00005	.00034	-.00184	.00163	.01663	.03215	-.06673

RUN NO. 62/ 0 RN/L = 6.28 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
.901	22.810	.92290	-.01750	-.01830	.00730	-.00180	.01050	.06240	.84660	.36760	2.30260
.901	24.810	.99120	-.02250	-.01700	.00720	.00080	.00770	.06510	.89640	.42300	2.11920
.901	26.970	1.06360	-.03440	-.01760	.00770	.00240	.00570	.06770	.96310	.49660	1.93940
.901	29.170	1.18400	-.05260	-.02610	.00970	.00610	.00400	.07000	1.03180	.58070	1.77670
.901	31.320	1.27260	-.05390	-.03290	.01090	.00940	-.00050	.07140	1.08730	.66120	1.64440
.901	33.470	1.35100	-.05230	-.03650	.01240	.01020	-.00490	.07340	1.12970	.74090	1.52460
.901	35.650	1.43760	-.04620	-.02740	.00960	.00140	-.00890	.07650	1.17330	.83070	1.41240
.901	37.720	1.47860	-.03060	-.01840	.00570	-.00310	-.01670	.07710	1.17820	.89010	1.32350
.901	39.930	1.53580	-.03260	-.00940	.00320	-.00410	-.02060	.07800	1.19080	.97000	1.22760
.901	41.990	1.59150	-.03330	-.01860	.00340	-.00090	-.02620	.07670	1.20020	1.04540	1.14800
.901	44.000	1.64480	-.03220	-.02480	.00360	.00100	-.03360	.07670	1.20640	1.11850	1.07850
.901	33.470	1.35620	-.05260	-.03660	.01280	.01000	-.00570	.07380	1.13440	.74320	1.52630
GRADIENT		.03457	-.00026	.00003	-.00024	-.00016	-.00206	.00072	.01738	.03598	-.05654

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M555 (FAS) HAR ATP CRG (BICIDIFINI) (WIE1)

(R76202) (03 NOV 72)

REFERENCE DATA

GREY = 7.4190 SQ. IN. XMRP = 3.4530 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 BREP = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

BETA = .000 CONFIG = 2.000
 ELEVTR = .000 CBDELV = .000
 TBDELV = .000 AILRON = .000
 CBDAIL = .000 TBDAIL = .000

RUN NO. 11/ 0 RN/L = 4.12 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
2.990	21.760	.62240	-.06410	-.00640	.00330	.00140	.04500	.01400	.36120	.27260	2.05660
2.990	23.770	.69500	-.09160	-.00820	.00330	.00180	.04370	.01430	.61840	.32020	1.93130
2.990	25.690	.77450	-.10060	-.01130	.00360	.00200	.04290	.01440	.67800	.37690	1.79900
2.990	26.010	.85790	-.10960	-.01440	.00420	.00250	.04210	.01450	.73760	.44020	1.67550
2.990	30.090	.94520	-.11900	-.01720	.00470	.00290	.04190	.01460	.79670	.51030	1.56110
2.990	32.200	1.03020	-.12800	-.01940	.00490	.00320	.04150	.01460	.84950	.58410	1.45430
2.990	34.330	1.12060	-.13670	-.02160	.00500	.00360	.04060	.01470	.90250	.66580	1.35550
2.990	36.420	1.20990	-.14510	-.02430	.00540	.00400	.04040	.01480	.94940	.75100	1.26420
2.990	36.570	1.30200	-.15510	-.02780	.00530	.00390	.04030	.01400	.99270	.84350	1.17680
2.990	40.660	1.58610	-.16420	-.02990	.00530	.00390	.03940	.01430	1.02720	.93440	1.09920
2.990	42.660	1.46850	-.17200	-.03240	.00550	.00420	.03860	.01430	1.05330	1.02400	1.02860
	GRADIENT	.04095	-.00424	-.00126	.00012	.00014	-.00027	.00000	.02409	.03630	-.04916

RUN NO. 12/ 0 RN/L = 4.86 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
4.959	21.400	.50160	-.05750	-.00690	.00230	.00190	.04530	.00290	.45060	.22540	1.99900
4.959	23.350	.56970	-.06360	-.01010	.00220	.00220	.04550	.00330	.50500	.26760	1.88650
4.959	25.430	.64390	-.07060	-.01130	.00280	.00240	.04680	.00250	.56140	.31880	1.76070
4.959	27.460	.72160	-.08020	-.01540	.00310	.00240	.04710	.00300	.61860	.37490	1.64970
4.959	29.540	.80440	-.08760	-.01660	.00330	.00270	.04700	.00330	.67650	.43750	1.54610
4.959	31.600	.86730	-.09900	-.01840	.00360	.00290	.04800	.00330	.73050	.50590	1.44390
4.959	33.660	.97360	-.10760	-.01970	.00370	.00330	.04870	.00330	.78320	.58070	1.34860
4.959	35.720	1.05840	-.12070	-.02320	.00370	.00360	.04850	.00330	.83090	.65740	1.26370
4.959	37.830	1.14770	-.13080	-.02500	.00420	.00400	.04870	.00340	.87660	.74240	1.18070
4.959	39.860	1.23030	-.14320	-.02730	.00450	.00410	.04850	.00340	.91330	.82610	1.10550
4.959	41.840	1.31400	-.15720	-.03060	.00440	.00410	.04750	.00330	.94710	.91200	1.03850
	GRADIENT	.04007	-.00466	-.00105	.00011	.00012	.00015	.00003	.02474	.03563	-.04705

M555 (PAS) WAR ATP CRB (BIC101FIM1) (MIE1)

(R76203) (03 NOV 72)

REFERENCE DATA

BREF = 7.4190 SQ. IN. XMRP = 3.4530 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 BREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

BETA = .000 CONFIG = 2.000
 ELEVTR = .000 CBDELV = .000
 ISDELV = .000 AILRON = .000
 CBDAIL = .000 ISDAIL = .000

RUN NO. 200/ 0 RN/L = 4.16 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
2.990	42.020	1.42060	-.16350	.01240	-.00070	.00200	.03740	.01250	1.03610	.98420	1.05260
2.990	43.970	1.50380	-.16930	.01230	-.00060	.00190	.03670	.01280	1.05820	1.07190	.98720
2.990	46.030	1.56350	-.17460	.01150	-.00050	.00180	.03600	.01260	1.07280	1.16530	.92050
2.990	48.110	1.65620	-.18010	.01330	-.00080	.00180	.03630	.01290	1.07870	1.25720	.85790
2.990	50.160	1.72880	-.18620	.01420	-.00110	.00200	.03500	.01300	1.08040	1.35000	.80030
2.990	52.220	1.79420	-.19140	.01440	-.00100	.00230	.03390	.01310	1.07230	1.43890	.74520
2.990	54.270	1.85160	-.19250	.01530	-.00100	.00230	.03330	.01320	1.05420	1.52280	.69230
2.990	56.290	1.89950	-.19100	.01750	-.00110	.00160	.03260	.01300	1.02660	1.59840	.64240
2.990	58.370	1.94280	-.19020	.01770	-.00120	.00160	.03150	.01280	.99180	1.67080	.59360
2.990	60.390	1.98170	-.18840	.01930	-.00120	.00140	.03030	.01270	.95270	1.73800	.54810
2.990	62.340	2.01610	-.18940	.01920	-.00120	.00160	.02890	.01290	.91020	1.79920	.50580
GRADIENT		.02905	-.00125	.00040	-.00003	-.00002	-.00041	.00001	-.00633	.04054	-.02674

RUN NO. 199/ 0 RN/L = 4.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
4.959	41.520	1.29960	-.15230	.01330	-.00070	.00250	.04470	.00250	.94320	.89520	1.05370
4.959	43.440	1.37920	-.16230	.01570	-.00050	.00270	.04380	.00270	.97120	.98020	.99080
4.959	45.470	1.46330	-.17620	.01450	-.00080	.00250	.04290	.00290	.99550	1.07340	.92720
4.959	47.530	1.54710	-.18610	.01610	-.00120	.00240	.04240	.00300	1.01320	1.16990	.86600
4.959	49.570	1.62360	-.19380	.01710	-.00070	.00230	.04230	.00300	1.02070	1.26340	.80790
4.959	51.600	1.69450	-.20000	.01650	-.00090	.00190	.04170	.00300	1.01970	1.35390	.75310
4.959	53.630	1.76370	-.20720	.01660	-.00130	.00220	.04030	.00300	1.01320	1.44410	.70160
4.959	55.640	1.82790	-.21570	.01910	-.00120	.00260	.03940	.00300	.99900	1.53120	.65240
4.959	57.710	1.88950	-.21940	.02070	-.00100	.00280	.03970	.00180	.97570	1.61860	.60280
4.959	59.710	1.95470	-.22170	.01940	-.00130	.00280	.03820	.00220	.94270	1.68990	.55760
4.959	61.650	1.97670	-.21770	.02160	-.00120	.00290	.03660	.00240	.90600	1.75720	.51560
GRADIENT		.03407	-.00344	.00033	-.00003	.00002	-.00036	-.00003	-.00177	.04350	-.02662

MS55 (FAS) NAR ATP ORS (BICIDIFIM1) (MIE1)

(R76204) (03 NOV 72)

REFERENCE DATA

PARAMETRIC DATA

SREF = 7.4190 SQ. IN. XMRP = 3.4530 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 SREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

ALPHA = .000 CONFIG = 2.000
 ELEVTR = .000 CBOELV = .000
 IBOELV = .000 AILRON = .000
 CBOAIL = .000 IBOAIL = .000

RUN NO. 76/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CSL	CAF	CAB	CL	CD	L/D
.999	-10.070	-.00740	.00960	.08960	.02260	-.00870	.01470	.02580	-.00740	.01470	-.50450
.999	-8.160	-.00400	.01190	.05620	.01810	-.00580	.01550	.02580	-.00400	.01550	-.25770
.999	-6.100	-.00210	.01330	.03860	.01330	-.00260	.01750	.02370	-.00200	.01750	-.11960
.999	-4.060	.00030	.01710	.02640	.00850	-.00010	.01670	.02430	.00050	.01670	.03520
.999	-2.030	.00810	.01790	.01200	.00420	.00180	.01590	.02430	.00810	.01590	.51340
.999	.000	.01130	.02020	.00000	.00000	.00450	.01480	.02530	.01130	.01480	.76720
.999	2.030	.01780	.02010	-.01360	-.00430	.00660	.01290	.02660	.01780	.01290	1.37770
.999	4.060	.02480	.01830	-.02700	-.00910	.00810	.01260	.02700	.02480	.01260	1.97320
.999	6.140	.02640	.01790	-.04130	-.01320	.01020	.01220	.02730	.02640	.01220	2.33020
.999	8.140	.03470	.01760	-.05610	-.01780	.01190	.01180	.02780	.03470	.01170	2.95300
.999	10.090	.03670	.01490	-.07130	-.02190	.01360	.01180	.02780	.03670	.01170	3.12570
.999	.000	.01010	.01940	-.00230	-.00030	.00490	.01450	.02490	.01010	.01450	.70060
	GRADIENT	.00287	.00023	-.00653	-.00215	.00105	-.00035	.00038	.00287	-.00035	.23351

RUN NO. 75/ 0 RN/L = 6.29 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CSL	CAF	CAB	CL	CD	L/D
.905	-10.240	-.04660	.02870	.07860	.02620	-.01080	.01900	.02680	-.04660	.01920	-2.42180
.905	-8.260	-.04020	.03310	.06030	.02040	-.00740	.02090	.02530	-.04010	.02100	-1.90600
.905	-6.190	-.03610	.03710	.04310	.01430	-.00420	.02290	.02350	-.03600	.02300	-1.56230
.905	-4.120	-.03510	.04130	.02860	.00930	-.00170	.02410	.02300	-.03510	.02420	-1.44650
.905	-2.060	-.02980	.04430	.01560	.00430	.00050	.02350	.02310	-.02970	.02360	-1.26040
.905	.000	-.02450	.04520	.00170	-.00050	.00270	.02340	.02260	-.02440	.02350	-1.04070
.905	2.060	-.01800	.04490	-.01170	-.00550	.00480	.01990	.02540	-.01790	.01990	-.90020
.905	4.100	-.01240	.04220	-.02520	-.01010	.00690	.01770	.02740	-.01240	.01780	-.69970
.905	6.230	-.00340	.03940	-.04210	-.01510	.00890	.01630	.02720	-.00340	.01840	-.48850
.905	8.260	-.00110	.03640	-.05710	-.02030	.01060	.01730	.02790	-.00110	.01730	-.06400
.905	10.250	.00290	.03190	-.07710	-.02550	.01320	.01640	.02790	.00300	.01640	.18340
.905	.000	-.02180	.04200	.00070	-.00090	.00300	.02310	.02200	-.02180	.02310	-.94310
	GRADIENT	.00278	.00012	-.00656	-.00236	.00105	-.00080	.00054	.00278	-.00080	.09017

MS55 (FA3) NAR ATP ORS (SIC101F1H1) (W1E1)

(R76204) (03 NOV 72)

REFERENCE DATA

BREF = 7.4190 SQ. IN. XMRP = 3.4530 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 BREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

ALPHA = .000 CONFIG = 2.000
 ELEVTR = .000 CBDELV = .000
 IBDDELV = .000 AILRON = .000
 CBDAIL = .000 IBDAIL = .000

RUN NO. 74/ 0 RN/L = 6.67 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
1.197	-10.370	-.01730	.02170	.06300	.02970	-.00660	.04940	.03940	-.01710	.04940	-.34740
1.197	-8.380	-.00430	.02320	.06390	.02320	-.00310	.04940	.03960	-.00420	.04940	-.08660
1.197	-6.250	.00780	.02490	.04910	.01660	-.00060	.04960	.03940	.00790	.04950	.16020
1.197	-4.130	.01500	.02590	.02700	.01070	.00170	.04960	.03930	.01510	.04960	.30490
1.197	-2.070	.02140	.02730	.01200	.00500	.00340	.04840	.04030	.02140	.04840	.44290
1.197	.010	.02740	.02670	-.00290	-.00050	.00430	.04650	.04190	.02740	.04650	.59040
1.197	2.090	.03330	.02610	-.01750	-.00570	.00330	.04410	.04450	.03330	.04410	.76090
1.197	4.200	.03960	.02330	-.03290	-.01130	.00560	.04260	.04600	.03960	.04260	.92690
1.197	6.310	.04400	.02100	-.05030	-.01690	.00710	.04250	.04680	.04400	.04250	1.03490
1.197	8.370	.04550	.01800	-.07040	-.02290	.00870	.04230	.04760	.04550	.04230	1.07610
1.197	10.410	.04320	.01430	-.09380	-.02910	.01120	.04210	.04770	.04320	.04210	1.02650
1.197	.010	.03030	.02560	-.00320	-.00050	.00410	.04650	.04200	.03030	.04650	.65270
GRADIENT		.00294	-.00031	-.00716	-.00262	.00046	-.00086	.00084	.00293	-.00086	.07489

RUN NO. 92/ 0 RN/L = 7.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
1.957	-10.480	.01250	-.02010	.10470	.02630	-.01460	.05790	.02380	.01270	.05790	.21960
1.957	-8.460	.02340	-.01980	.07780	.02310	-.01170	.05780	.02340	.02550	.05770	.44260
1.957	-6.320	.03430	-.01920	.05460	.01740	-.00630	.05740	.02420	.03440	.05730	.60040
1.957	-4.190	.04350	-.01910	.03320	.01200	-.00520	.05700	.02420	.04350	.05690	.76490
1.957	-2.100	.04920	-.01990	.01510	.00640	-.00220	.05720	.02370	.04930	.05720	.86240
1.957	.000	.05280	-.02110	-.00130	.00050	.00100	.05650	.02510	.05290	.05640	.93690
1.957	2.100	.05570	-.02100	-.01740	-.00530	.00400	.05600	.02580	.05570	.05590	.99620
1.957	4.200	.05660	-.02180	-.03490	-.01060	.00700	.05630	.02580	.05680	.05630	1.00920
1.957	6.390	.05380	-.02130	-.05580	-.01600	.01030	.05610	.02610	.05380	.05610	.95920
1.957	8.460	.04930	-.02120	-.07960	-.02160	.01310	.05650	.02640	.04930	.05640	.87410
1.957	10.490	.04260	-.02220	-.10500	-.02700	.01560	.05630	.02710	.04270	.05620	.75870
1.957	.000	.09150	-.02060	-.00170	.00020	.00110	.05600	.02520	.05160	.05590	.92270
GRADIENT		.00158	-.00031	-.00804	-.00271	.00146	-.00012	.00025	.00157	-.00012	.02966

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MS55 (FAS) NAR ATP ORB (SICIDIFIM1) (MIE1)

(R76203) (03 NOV 72)

REFERENCE DATA

SREF = 7.4190 SQ. IN. XMRP = 3.4930 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 SREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

ALPHA = 10.000 CONFIC = 2.000
 ELEVTR = .000 CBOELV = .000
 IBOELV = .000 AILRON = .000
 CBOAIL = .000 IBOAIL = .000

RUN NO. 46/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
.001	-10.100	.51610	-.02650	.06390	.02600	.00570	-.00230	.02730	.50680	.09750	5.19520
.001	-8.150	.52260	-.02510	.04590	.02080	.00630	-.00100	.02490	.51290	.10010	5.12000
.001	-6.090	.53730	-.02580	.02610	.01520	.00610	-.00120	.02400	.52730	.10290	5.12050
.001	-4.020	.54240	-.02490	.01110	.00960	.00550	-.00130	.02280	.53230	.10390	5.12070
.001	-2.010	.55270	-.02460	-.00250	.00560	.00500	-.00210	.02380	.54260	.10520	5.13360
.001	.010	.55900	-.02430	-.01620	.00110	.00430	-.00390	.02390	.54910	.10460	5.23950
.001	2.050	.56530	-.02430	-.03000	-.00370	.00440	-.00520	.02460	.55560	.10480	5.29800
.001	4.080	.56850	-.02210	-.04130	-.00780	.00310	-.00670	.02610	.55890	.10390	5.37510
.001	6.160	.57200	-.02420	-.05600	-.01220	.00230	-.00560	.02470	.56220	.10580	5.31340
.001	8.150	.57770	-.02460	-.07080	-.01690	.00200	-.00770	.02730	.56810	.10480	5.41810
.001	10.090	.57620	-.02710	-.08720	-.02160	.00160	-.00770	.02790	.56660	.10460	5.41680
.001	.010	.56530	-.02230	-.01510	.00100	.00430	-.00410	.02420	.55530	.10390	5.24320
GRADIENT		.00320	.00029	-.00653	-.00216	-.00027	-.00069	.00037	.00327	-.00002	.03225

RUN NO. 47/ 0 RN/L = 6.27 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
.903	-10.290	.59720	-.05760	.06260	.02940	-.00610	.01320	.02900	.56220	.13340	4.36190
.903	-8.290	.56250	-.03140	.04970	.02680	.00830	.01600	.02950	.54770	.12910	4.24240
.903	-6.180	.56660	-.02770	.02620	.02100	.01110	.01680	.03000	.55150	.13080	4.21640
.903	-4.110	.57220	-.02570	.01130	.01420	.00990	.01680	.02960	.55700	.13210	4.21630
.903	-2.030	.58200	-.02720	-.00410	.00820	.00870	.01640	.02960	.56660	.13380	4.23500
.903	.020	.58660	-.02500	-.01620	.00290	.00630	.01680	.03110	.57100	.13530	4.21990
.903	2.100	.59310	-.02550	-.03070	-.00260	.00370	.01470	.03270	.57780	.13480	4.26640
.903	4.150	.60070	-.02320	-.04250	-.00810	.00090	.01450	.03270	.58520	.13620	4.29530
.903	6.280	.59940	-.02730	-.05870	-.01390	-.00090	.01360	.03230	.58410	.13500	4.32630
.903	8.340	.59870	-.02900	-.07620	-.02030	-.00220	.01310	.03300	.58350	.13420	4.34610
.903	10.280	.58875	-.02650	-.09190	-.02730	-.00420	.01250	.03340	.57400	.13150	4.36300
.903	.020	.56700	-.02440	-.01710	.00260	.00620	.01640	.03110	.57150	.13500	4.23300
GRADIENT		.00330	.00013	-.00650	-.00268	-.00111	-.00031	.00045	.00327	.00045	.01015

M333 (PAS) NAR ATP CRB (BICIDIFIM1) (MIE1)

(R76206) (03 NOV 72)

REFERENCE DATA

BREF = 7.4190 SQ. IN. XMRP = 3.4930 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 BREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

ALPHA = 10.000 CONF16 = 2.000
 ELEVTR = .000 CBDELV = .000
 IBDDELV = .000 AILRCN = .000
 CBOATL = .000 IBDAIL = .000

RUN NO. 46/ 0 RN/L = 6.67 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
1.196	-10.400	.63170	-.11460	.07340	.03450	.00720	.04620	.04470	.62820	.17960	3.49670
1.196	-8.370	.67150	-.11440	.05010	.02790	.00850	.04610	.04430	.64740	.18410	3.51560
1.196	-6.240	.68380	-.11410	.03030	.02150	.00830	.04690	.04210	.65920	.18780	3.50940
1.196	-4.140	.69620	-.11700	.01010	.01530	.00640	.04790	.04090	.67100	.19170	3.49990
1.196	-2.090	.70620	-.11670	-.00500	.00940	.00450	.04770	.04190	.68080	.19390	3.51110
1.196	.030	.71740	-.11760	-.01930	.00350	.00320	.04820	.04230	.69150	.19680	3.51100
1.196	2.130	.72510	-.11860	-.03360	-.00230	.00130	.04740	.04350	.69920	.19790	3.53190
1.196	4.190	.72880	-.11930	-.04740	-.00810	-.00010	.04720	.04270	.70090	.19800	3.53820
1.196	6.330	.72810	-.11910	-.06340	-.01450	-.00270	.04580	.04390	.70240	.19710	3.56400
1.196	8.410	.72560	-.11940	-.08210	-.02120	-.00470	.04590	.04430	.69990	.19660	3.55960
1.196	10.430	.71780	-.11890	-.10430	-.02800	-.00500	.04610	.04500	.69230	.19490	3.55160
1.196	.030	.71700	-.11720	-.01990	.00340	.00250	.04620	.04180	.69110	.19680	3.51030
GRADIENT		.00369	-.00031	-.00689	-.00261	-.00076	-.00008	.00025	.00375	.00080	.00466

RUN NO. 94/ 0 RN/L = 7.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
1.961	-10.480	.41360	-.07850	.09490	.03000	-.00430	.05170	.02690	.39500	.13320	2.96390
1.961	-8.450	.42330	-.07990	.06910	.02540	-.00330	.05220	.02590	.40430	.13580	2.97690
1.961	-6.310	.43370	-.07990	.04430	.02000	-.00220	.05280	.02480	.41430	.13860	2.98900
1.961	-4.170	.45130	-.08320	.02390	.01410	-.00120	.05360	.02470	.43130	.14330	3.00920
1.961	-2.090	.45560	-.08350	.00650	.00820	-.00010	.05410	.02540	.43530	.14470	3.00720
1.961	.010	.46260	-.08410	-.01000	.00230	.00090	.05420	.02590	.44220	.14630	3.02070
1.961	2.130	.45850	-.08260	-.02670	-.00370	.00210	.05400	.02580	.43830	.14520	3.01840
1.961	4.210	.46020	-.08290	-.04270	-.00920	.00290	.05280	.02600	.44010	.14440	3.04710
1.961	6.380	.46240	-.08380	-.06180	-.01490	.00340	.05260	.02570	.44240	.14470	3.05610
1.961	8.470	.45740	-.08360	-.08470	-.02080	.00360	.05270	.02610	.43740	.14370	3.04270
1.961	10.500	.45230	-.08260	-.11010	-.02620	.00410	.05280	.02700	.43260	.14280	3.02950
1.961	.010	.45150	-.08210	-.01130	.00210	.00110	.05380	.02570	.43150	.14350	3.00700
GRADIENT		.00099	.00007	-.00793	-.00279	.00050	-.00008	.00014	.00098	.00013	.00414

MS55 (FA3) NAR ATP ORB (B1C1D1F1M1) (W1E1)

(R76205) (03 NOV 72)

REFERENCE DATA

PARAMETRIC DATA

GREF = 7.4190 SO. IN. XMRP = 3.4530 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 BREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

ALPHA = 10.000 CONFIG = 2.000
 ELEVTR = .000 CBDELV = .000
 ISDELV = .000 AILRON = .000
 CBDAIL = .000 ISDAIL = .000

RUN NO. 16/ 0 RN/L = 4.11 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
2.990	-10.150	.27530	-.05080	.09030	.02440	-.00250	.05580	.01420	.25970	.10690	2.42940
2.990	-8.220	.28120	-.04960	.07000	.02030	-.00210	.05470	.01430	.26570	.10700	2.48270
2.990	-6.140	.28360	-.05020	.04700	.01950	-.00140	.05380	.01430	.26840	.10660	2.51830
2.990	-4.090	.28770	-.05110	.02730	.01100	-.00100	.05330	.01400	.27240	.10690	2.54660
2.990	-2.040	.29250	-.05020	.01030	.00630	-.00020	.05250	.01370	.27720	.10710	2.58880
2.990	.000	.29580	-.05040	-.00660	.00140	.00040	.05220	.01360	.27840	.10700	2.60090
2.990	2.050	.29630	-.05120	-.02290	-.00360	.00120	.05290	.01370	.28080	.10820	2.59560
2.990	4.120	.29770	-.05220	-.04120	-.00840	.00160	.05400	.01390	.28210	.10950	2.57590
2.990	6.170	.29830	-.05070	-.06020	-.01320	.00210	.05460	.01400	.27960	.10960	2.54910
2.990	8.210	.29490	-.05000	-.08110	-.01770	.00200	.05550	.01410	.27900	.11050	2.52490
2.990	10.180	.29290	-.05070	-.10270	-.02210	.00220	.05600	.01430	.27700	.11050	2.50490
GRADIENT		.00116	-.00016	-.00630	-.00237	.00032	.00009	-.00001	.00112	.00031	.00318

RUN NO. 17/ 0 RN/L = 4.80 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
4.959	-10.020	.17450	-.02970	.07340	.01930	.00050	.05320	.00300	.16150	.08470	1.90680
4.959	-8.110	.17860	-.03020	.05790	.01580	.00070	.05210	.00330	.16580	.08440	1.96430
4.959	-6.070	.18320	-.03160	.04020	.01240	.00100	.05060	.00350	.17050	.08380	2.03510
4.959	-4.040	.18780	-.03280	.02470	.00850	.00080	.04860	.00370	.17540	.08280	2.11910
4.959	-2.020	.19200	-.03390	.00990	.00480	.00060	.04730	.00370	.17990	.08230	2.18600
4.959	.000	.19250	-.03450	-.00550	.00120	.00010	.04680	.00380	.18040	.08180	2.20450
4.959	2.020	.19810	-.03520	-.01920	-.00260	-.00030	.04730	.00380	.18580	.08340	2.22670
4.959	4.040	.19290	-.03510	-.03290	-.00670	-.00070	.04890	.00390	.18040	.08390	2.14870
4.959	6.110	.19570	-.03480	-.04890	-.01070	-.00090	.05060	.00390	.18090	.08570	2.10900
4.959	8.110	.19000	-.03450	-.06550	-.01410	-.00080	.05130	.00400	.17710	.08580	2.06430
4.959	10.080	.19140	-.03290	-.08040	-.01760	-.00080	.05280	.00400	.17820	.08750	2.03580
GRADIENT		.00081	-.00019	-.00714	-.00187	-.00019	.00003	.00002	.00079	.00016	.00495

MS99 (FAS) MAR ATP ORB (BICIDIFIM1) (WIE1)

(R76206) (03 NOV 72)

REFERENCE DATA

GREY = 7.4190 IN. XMRP = 8.4530 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 GREY = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

ALPHA = 20.000 CONFIG = 2.000
 ELEVTR = .000 CBDELV = .000
 ISDELV = .000 AILRON = .000
 CBDAIL = .000 ISDAIL = .000

RUN NO. 71/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CLL	CAF	CAB	CL	CD	L/D
.596	-10.100	.87850	-.02930	.05900	.02970	-.00540	-.01620	.04360	.82210	.31010	2.65040
.596	-8.160	.88130	-.02810	.04310	.02410	-.00670	-.01620	.04510	.82460	.31120	2.64940
.596	-6.120	.88410	-.02600	.02670	.01800	-.00730	-.01540	.04650	.82690	.31310	2.64090
.596	-4.050	.87690	-.02400	.00660	.01340	-.00660	-.01440	.04820	.81990	.31130	2.63330
.596	-2.010	.87870	-.02090	-.01400	.01000	-.00650	-.01620	.05070	.82220	.31040	2.64830
.596	.010	.87150	-.01640	-.02880	.00590	-.00420	-.01930	.05460	.81660	.30460	2.67920
.596	2.040	.87340	-.01480	-.03770	.00090	-.00180	-.01650	.05210	.81740	.30820	2.65230
.596	4.060	.87160	-.01560	-.03040	-.00520	.00070	-.01580	.05020	.81550	.30800	2.64710
.596	6.160	.87550	-.01630	-.06880	-.00950	.00070	-.01550	.04640	.81890	.30990	2.64240
.596	8.170	.87680	-.01810	-.08790	-.01530	.00130	-.01750	.04750	.82090	.30850	2.66100
.596	10.120	.89160	-.01870	-.10690	-.02230	.00510	-.01880	.04500	.83310	.31290	2.66830
.596	.020	.87090	-.01640	-.02960	.00580	-.00450	-.01660	.05240	.81510	.30710	2.65400
GRADIENT		-.00078	.00113	-.00679	-.00228	.00097	-.00015	.00027	-.00067	-.00043	.00156

RUN NO. 72/ 0 RN/L = 6.29 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CLL	CAF	CAB	CL	CD	L/D
.904	-10.330	.90630	-.02130	.08320	.03910	.01320	.00770	.05970	.83440	.35390	2.35750
.904	-8.350	.92360	-.01960	.06270	.03080	.00960	.00940	.05880	.84980	.36250	2.34390
.904	-6.200	.94720	-.02110	.03340	.02080	.00540	.00980	.06050	.87090	.37230	2.33880
.904	-4.110	.95140	-.02170	.01350	.01370	.00190	.00820	.06280	.87530	.37290	2.34710
.904	-2.030	.95240	-.01760	-.00740	.00870	.00070	.00780	.06530	.87640	.37300	2.34930
.904	.030	.95080	-.01380	-.02460	.00350	.00030	.00870	.06470	.87450	.37320	2.34310
.904	2.110	.96180	-.01250	-.03940	-.00290	.00000	.00930	.06350	.88420	.37860	2.33510
.904	4.160	.96700	-.01190	-.05520	-.00850	-.00110	.00780	.06340	.88960	.37920	2.34610
.904	6.340	.96710	-.01430	-.08020	-.01590	-.00610	.00660	.06390	.89010	.37830	2.35290
.904	8.390	.94210	-.01150	-.10400	-.02480	-.01040	.00460	.06210	.86820	.36590	2.37260
.904	10.410	.93400	-.01650	-.12860	-.03450	-.01530	.00510	.06120	.86060	.36300	2.37070
.904	.040	.95500	-.01170	-.02640	.00280	.00060	.00870	.06470	.87830	.37510	2.34100
GRADIENT		.00196	.00119	-.00819	-.00271	-.00032	.00004	-.00003	.00176	.00088	-.00079

M555 (FAS) MAR ATP CRB (BIC1D1F1M1) (M1E1)

(RT6206) (03 NOV 72)

REFERENCE DATA

WREF = 7.4190 SQ. IN. WMRP = 3.4530 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 BREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

ALPHA = 20.000 CONFIC = 2.000
 ELEVTR = .000 CBDELV = .000
 ISDELV = .000 AILRON = .000
 CBDAIL = .000 IBDAIL = .000

RUN NO. 73/ 0 RN/L = 6.68 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
1.199	-10.400	1.15620	-.15700	.06770	.03810	.02420	.03930	.05170	1.04730	.49150	2.13030
1.199	-8.390	1.14890	-.14500	.05360	.02950	.01630	.04000	.05520	1.04020	.48950	2.12500
1.199	-6.230	1.14370	-.14070	.02890	.02300	.01160	.03860	.05780	1.03770	.48690	2.13100
1.199	-4.130	1.13240	-.13900	.00310	.01620	.00770	.03760	.05880	1.04420	.48890	2.13540
1.199	-2.030	1.16690	-.14290	-.01480	.01010	.00420	.03710	.06030	1.05730	.49470	2.13770
1.199	.060	1.16940	-.14240	-.03240	.00450	.00090	.03760	.06120	1.05960	.49610	2.13550
1.199	2.160	1.17100	-.14260	-.05240	-.00150	.00060	.03660	.06130	1.06140	.49600	2.13990
1.199	4.270	1.17390	-.13970	-.07330	-.00760	-.00310	.03630	.06110	1.06410	.49690	2.14120
1.199	6.440	1.17080	-.13810	-.09370	-.01420	-.00770	.03730	.05900	1.06080	.49670	2.13560
1.199	8.490	1.17550	-.13890	-.11360	-.02050	-.01390	.03840	.03790	1.06470	.49960	2.13070
1.199	10.500	1.17700	-.14200	-.13540	-.02790	-.01820	.03710	.05750	1.06660	.49900	2.13730
1.199	.060	1.16560	-.14190	-.03350	.00450	.00100	.03730	.06070	1.05830	.49430	2.13680
GRADIENT		.00224	-.00005	-.00928	-.00282	-.00120	-.00015	.00027	.00208	.00082	.00066

RUN NO. 93/ 0 RN/L = 7.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
1.957	-10.470	.81980	-.12300	.09760	.02990	.01410	.04250	.02850	.74010	.35510	2.08390
1.957	-8.450	.83840	-.12750	.07560	.02470	.01200	.04200	.02870	.75710	.36250	2.08840
1.957	-6.330	.84380	-.12880	.05230	.01890	.01040	.04130	.02890	.76230	.36400	2.09390
1.957	-4.170	.84980	-.13040	.02590	.01350	.00880	.04100	.02860	.76790	.36620	2.09650
1.957	-2.070	.85400	-.12920	.00300	.00820	.00640	.04110	.02830	.77170	.36800	2.09660
1.957	.030	.85780	-.12810	-.01930	.00320	.00290	.04140	.02770	.77500	.37010	2.09400
1.957	2.170	.86150	-.12890	-.04140	-.00180	-.00140	.04070	.02760	.77860	.37090	2.09910
1.957	4.260	.86330	-.12990	-.06380	-.00690	-.00460	.03990	.02870	.78060	.37090	2.10430
1.957	6.430	.86170	-.12930	-.08930	-.01230	-.00770	.04040	.02900	.77900	.37070	2.10100
1.957	8.540	.86240	-.12820	-.11360	-.01800	-.00960	.04080	.02880	.77940	.37140	2.09830
1.957	10.580	.85990	-.12630	-.13560	-.02390	-.01120	.04130	.02860	.77690	.37080	2.09480
1.957	.040	.84490	-.12480	-.01970	.00280	.00250	.04070	.02780	.76360	.36390	2.09840
GRADIENT		.00164	.00006	-.01061	-.00241	-.00164	-.00012	-.00002	.00133	.00058	.00086

M355 (FAS) HAR ATP ORB (BIC101FIM1) (WIE1)

(RT6206) (03 NOV 72)

REFERENCE DATA

BREF = 7.4190 SQ. IN. YMRP = 3.4530 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 BREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

ALPHA = 20.000 CONFIG = 2.000
 ELEVTR = .000 CBDELV = .000
 ISDELV = .000 AILRON = .000
 CBDAIL = .000 ISDAIL = .000

RUN NO. 15/ 0 RN/L = 4.12 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
2.990	-10.140	.61930	-.07990	.06480	.02480	.01060	.04960	.01450	.55950	.27350	2.04160
2.990	-8.210	.62700	-.08380	.06540	.02010	.00880	.04800	.01470	.56570	.27470	2.05880
2.990	-6.140	.63250	-.08600	.04990	.01540	.00700	.04660	.01470	.57120	.27550	2.07330
2.990	-4.060	.63730	-.08790	.02540	.01090	.00520	.04580	.01470	.57600	.27650	2.08310
2.990	-2.030	.64000	-.08960	.00460	.00620	.00320	.04490	.01460	.57860	.27670	2.09180
2.990	.010	.64340	-.08890	-.01360	.00160	.00130	.04420	.01430	.58220	.27740	2.09880
2.990	2.080	.64550	-.08910	-.03430	-.00210	-.00060	.04470	.01430	.58390	.27860	2.09560
2.990	4.110	.64840	-.08910	-.05340	-.00660	-.00270	.04600	.01460	.58620	.28090	2.08620
2.990	6.210	.64980	-.08910	-.07390	-.01180	-.00470	.04680	.01480	.58720	.28220	2.08030
2.990	8.220	.64810	-.08570	-.09370	-.01610	-.00690	.04810	.01490	.58510	.28280	2.06880
2.990	10.190	.64540	-.08300	-.11250	-.02070	-.00890	.04900	.01490	.58220	.28260	2.05990
	GRADIENT	.00135	-.00009	-.00959	-.00211	-.00096	.00001	-.00002	.00124	.00052	.00049

RUN NO. 16/ 0 RN/L = 4.82 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
4.959	-10.000	.49200	-.05740	.05880	.01980	.00890	.05110	.00320	.44050	.22500	1.95710
4.959	-8.100	.49730	-.05640	.04560	.01620	.00810	.04900	.00360	.44620	.22500	1.98250
4.959	-6.060	.50440	-.05800	.03190	.01220	.00660	.04730	.00370	.45340	.22610	2.00520
4.959	-4.030	.50750	-.05970	.01720	.00870	.00530	.04590	.00390	.45680	.22590	2.02200
4.959	-2.010	.51260	-.06170	.00240	.00470	.00310	.04440	.00390	.46200	.22640	2.04080
4.959	.000	.51520	-.06170	-.01170	.00180	.00120	.04390	.00390	.46460	.22690	2.04780
4.959	2.030	.51790	-.06210	-.02750	-.00200	-.00120	.04440	.00390	.46700	.22830	2.04510
4.959	4.050	.51950	-.05980	-.03950	-.00360	-.00310	.04530	.00400	.46810	.22970	2.03780
4.959	6.110	.51610	-.06120	-.05540	-.00990	-.00510	.04670	.00400	.46640	.23030	2.02330
4.959	8.120	.51330	-.05790	-.06900	-.01320	-.00670	.04810	.00410	.46330	.23080	2.00660
4.959	10.060	.51300	-.05730	-.08270	-.01710	-.00800	.05010	.00410	.46040	.23180	1.98590
	GRADIENT	.00143	-.00003	-.00709	-.00177	-.00104	-.00006	.00001	.00137	.00047	.00177

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M355 (PAS) NAR ATP CRB (B1C1D1F1H1) (M1E1)

(R76207) (03 NOV 72)

REFERENCE DATA

GREY = 7.4190 IN. XMRP = 3.4530 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 GREY = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

ALPHA = 30.000 CONFIG = 2.000
 ELEVTR = .000 CBDELV = .000
 IBDELV = .000 AILRON = .000
 CBDAIL = .000 IBDAIL = .000

RUN NO. 14/ 0 RN/L = 4.12 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
2.990	-10.110	1.02870	-.12260	.06420	.02660	.01900	.04580	.01380	.84430	.58590	1.44080
2.990	-8.170	1.03430	-.12570	.04610	.02210	.01620	.04370	.01420	.85180	.58840	1.44760
2.990	-6.120	1.03890	-.12740	.02730	.01750	.01320	.04220	.01440	.85640	.58960	1.45250
2.990	-4.070	1.04690	-.13010	.00890	.01300	.00980	.04110	.01440	.86370	.59300	1.45640
2.990	-2.010	1.05120	-.13300	-.00930	.00810	.00600	.04060	.01450	.86750	.59500	1.45800
2.990	.020	1.05560	-.13290	-.02470	.00330	.00220	.04050	.01460	.87130	.59730	1.45860
2.990	2.090	1.05870	-.13300	-.04210	-.00170	-.00160	.04060	.01460	.87210	.59800	1.45840
2.990	4.120	1.05810	-.13320	-.05960	-.00700	-.00560	.04070	.01450	.87330	.59880	1.45830
2.990	6.160	1.05920	-.13050	-.07460	-.01190	-.00950	.04140	.01440	.87380	.60010	1.45590
2.990	8.220	1.05610	-.12830	-.09300	-.01650	-.01290	.04220	.01470	.87070	.59910	1.45340
2.990	10.170	1.05220	-.12590	-.11200	-.02100	-.01610	.04310	.01480	.86700	.59770	1.45040
	GRADIENT	.00136	-.00030	-.00829	-.00243	-.00187	-.00004	.00001	.00116	.00071	.00021

RUN NO. 15/ 0 RN/L = 4.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
4.999	-10.010	.87730	-.09490	.04410	.02000	.01790	.05090	.00230	.72050	.50310	1.43210
4.999	-8.090	.88850	-.09820	.03000	.01680	.01530	.05000	.00260	.73040	.50830	1.43700
4.999	-6.050	.89670	-.09690	.01750	.01310	.01240	.04820	.00300	.73830	.51120	1.44430
4.999	-4.020	.90140	-.09820	.00340	.00970	.00930	.04730	.00330	.74280	.51290	1.44800
4.999	-2.000	.90610	-.09940	-.00950	.00610	.00570	.04730	.00340	.74680	.51340	1.44900
4.999	.010	.91060	-.10040	-.02190	.00260	.00220	.04730	.00350	.75060	.51770	1.44960
4.999	2.050	.91230	-.09980	-.03310	-.00100	-.00150	.04710	.00350	.75210	.51860	1.45030
4.999	4.050	.91370	-.10210	-.04660	-.00520	-.00520	.04760	.00360	.75300	.51970	1.44890
4.999	6.110	.91260	-.09950	-.05850	-.00860	-.00870	.04840	.00350	.75170	.51980	1.44610
4.999	8.120	.90920	-.10050	-.07260	-.01250	-.01190	.04870	.00370	.74780	.51770	1.44450
4.999	10.040	.90740	-.09850	-.08510	-.01610	-.01450	.04890	.00370	.74700	.51740	1.44360
	GRADIENT	.00133	-.00041	-.00612	-.00183	-.00179	.00002	.00003	.00127	.00083	.00015

MS55 (FAS) WAR ATP CR8 (BICIDIFIM1) (WIE1)

(R76208) (03 NOV 72)

REFERENCE DATA

BREF = 7.4190 SO IN. XMRP = 3.4530 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 BREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

ALPHA = 50.000 CONFIG = 2.000
 ELEVTR = .000 CBDELV = .000
 TSDLV = .000 ATLRON = .000
 CBDAIL = .000 TSDAIL = .000

RUN NO. 201/ 0 RN/L = 4.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
2.990	-10.070	1.76260	-.16710	.07420	.01870	.02450	.03630	.01330	1.05180	1.41910	.74320
2.990	-8.150	1.77580	-.19100	.06160	.01420	.02040	.03540	.01340	1.06030	1.42500	.74400
2.990	-6.120	1.78690	-.19380	.04930	.01020	.01570	.03450	.01360	1.06760	1.43350	.74480
2.990	-4.070	1.79230	-.19250	.03700	.00630	.01100	.03400	.01330	1.07120	1.43760	.74510
2.990	-2.040	1.79740	-.19410	.02530	.00190	.00640	.03360	.01330	1.07450	1.44120	.74550
2.990	.000	1.79900	-.19550	.01450	-.00210	.00060	.03350	.01340	1.07570	1.44230	.74580
2.990	2.020	1.79740	-.19440	.00220	-.00620	-.00430	.03350	.01330	1.07460	1.44120	.74560
2.990	4.030	1.79420	-.19210	-.00900	-.01050	-.00910	.03390	.01350	1.07230	1.43890	.74520
2.990	6.110	1.78700	-.18940	-.02360	-.01480	-.01380	.03360	.01340	1.06820	1.43300	.74540
2.990	8.140	1.77940	-.18580	-.03660	-.01930	-.01840	.03430	.01330	1.06310	1.42730	.74480
2.990	10.060	1.77050	-.18220	-.04860	-.02340	-.02300	.03460	.01330	1.05750	1.42040	.74450
GRADIENT		.00017	.00002	-.00568	-.00206	-.00251	-.00002	.00002	.00011	.00013	.00002

RUN NO. 202/ 0 RN/L = 4.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
4.959	-10.000	1.67770	-.19480	.06620	.01450	.02480	.04670	.00250	1.00550	1.34380	.74820
4.959	-8.090	1.68530	-.19500	.05550	.01130	.02050	.04580	.00280	1.01100	1.34910	.74930
4.959	-6.070	1.69610	-.19610	.04600	.00800	.01560	.04420	.00300	1.01870	1.35680	.75080
4.959	-4.030	1.70080	-.19780	.03370	.00460	.01040	.04320	.00300	1.02240	1.35990	.75170
4.959	-2.020	1.70520	-.19870	.02430	.00100	.00510	.04360	.00310	1.02470	1.36370	.75140
4.959	-.020	1.70850	-.19880	.01200	-.00190	-.00040	.04370	.00300	1.02670	1.36630	.75140
4.959	2.010	1.70800	-.19870	.00090	-.00560	-.00580	.04260	.00290	1.02720	1.36520	.75230
4.959	4.020	1.70640	-.19410	-.00970	-.00880	-.01090	.04240	.00290	1.02640	1.36390	.75230
4.959	6.080	1.70060	-.19420	-.02060	-.01250	-.01570	.04220	.00300	1.02500	1.35930	.75260
4.959	8.080	1.69270	-.19090	-.03090	-.01590	-.02030	.04240	.00300	1.01790	1.35310	.75230
4.959	9.980	1.68220	-.19000	-.04380	-.01930	-.02470	.04230	.00310	1.01150	1.34470	.75220
GRADIENT		.00069	.00037	-.00347	-.00166	-.00266	-.00013	-.00002	.00052	.00047	.00012

M555 (PAS) NAR ATP CRB (BICIDIFM1) (WIE1) (V1K1R1)

(R76301) (03 NOV 72)

REFERENCE DATA

BREF = 7.4190 SQ. IN. XMRP = 3.4930 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 BREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

BETA = .000 CONFIG = 3.000
 RUDDER = .000 RUOFLR = 10.000
 ELEVTR = .000 CBDELV = .000
 IBDDELV = .000 AILRON = .000
 CBDAIL = .000 IBDAIL = .000

RUN NO. 55/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
.895	.660	-.03220	.02500	.02710	-.00260	.00250	.02740	.02300	-.03250	.02700	-1.20490
.895	2.660	.05960	.01930	.02370	-.00200	.00280	.02700	.02250	.05830	.02970	1.96120
.895	4.760	.13240	.01280	.02270	-.00140	.00300	.02160	.02300	.15010	.03420	4.37600
.895	6.860	.29390	.00640	.01980	-.00100	.00290	.01560	.02240	.25020	.04600	5.43570
.895	8.990	.38800	-.00800	.01960	-.00140	.00290	.01030	.02270	.35190	.06650	5.30350
.895	11.100	.46900	-.01770	.01700	-.00100	.00340	.00670	.02400	.45890	.09690	4.73210
.895	13.200	.57090	-.03120	.01490	-.00120	.00260	.00400	.02530	.55480	.13430	4.12900
.895	15.290	.66890	-.03400	.01230	-.00110	.00330	.00130	.02950	.64490	.17770	3.62830
.895	17.440	.75920	-.03740	.01050	-.00180	.00420	-.00130	.03430	.72470	.22630	3.20200
.895	19.480	.83600	-.03690	.00930	-.00260	.00340	-.00330	.04030	.78930	.27570	2.86220
.895	21.490	.88250	-.03250	.00910	-.00250	.00030	-.00120	.04400	.82160	.32210	2.55010
.895	11.100	.46870	-.01690	.01690	-.00110	.00320	.00700	.02420	.45860	.09720	4.71470
GRADIENT		.04501	-.00298	-.00107	.00029	.00012	-.00143	.00000	.04452	.00176	1.35907

RUN NO. 56/ 0 RN/L = 6.29 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
.900	.630	-.08430	.05330	.02890	-.00340	.00060	.03410	.02590	-.08470	.03320	-2.55180
.900	2.700	.02590	.04360	.02540	-.00290	.00130	.03230	.02550	.02440	.03340	.72900
.900	4.930	.14650	.03250	.02350	-.00280	.00160	.02670	.02530	.14370	.03920	3.66190
.900	7.140	.27130	.01510	.02070	-.00280	.00180	.02440	.02500	.26610	.05800	4.58420
.900	9.340	.38390	.00410	.01660	-.00210	.00330	.02430	.02790	.37480	.08630	4.34060
.900	11.540	.50230	-.01010	.01060	-.00080	.00490	.02510	.03140	.48710	.12510	3.89170
.900	13.750	.62550	-.02690	.00360	.00010	.00660	.02570	.03440	.60150	.17370	3.46180
.900	15.920	.72800	-.03620	-.00420	.00180	.00720	.02730	.04020	.69250	.22600	3.06340
.900	18.160	.83170	-.03860	-.00110	-.00090	.00470	.02740	.04590	.78170	.28530	2.73970
.900	20.280	.89340	-.02400	.00980	-.00320	-.00450	.03190	.05390	.82690	.33970	2.43380
.900	22.270	.91120	-.01290	-.00020	.00020	-.00090	.02370	.06140	.83420	.36730	2.27090
.900	11.540	.50130	-.01110	.01180	-.00100	.00450	.02390	.03130	.48640	.12370	3.92990
GRADIENT		.05368	-.00484	-.00125	.00014	.00023	-.00173	-.00014	.05312	.00141	1.44338

M335 (P43) NAR ATP ORS (BICIDIFIM1) (WIE1) (V1K1R1)

(R76301) (03 NOV 72)

REFERENCE DATA

BREF = 7.4190 SQ. IN. XMRP = 3.4530 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 BREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

BETA = .000 CONFIG = 3.000
 RUDDER = .000 RUOFLR = 10.000
 ELEVTR = .000 CDELEV = .000
 IBDELV = .000 AILRON = .000
 CBDAIL = .000 IBDAIL = .000

RUN NO. 57/ 0 RN/L = 6.70 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CL	CAF	CAB	CL	CD	L/D
1.197	.760	-.00930	.05010	.02070	-.00200	.00280	.06180	.04960	-.01020	.06170	-.16550
1.197	2.890	.11750	.01770	.01900	-.00150	.00260	.06140	.04610	.11430	.06720	1.69940
1.197	5.170	.25450	-.01540	.01610	-.00060	.00230	.06360	.04220	.24770	.08620	2.87130
1.197	7.430	.39070	-.04610	.01180	.00000	.00260	.06300	.04110	.37930	.11300	3.35410
1.197	9.660	.51990	-.07100	.00760	.00100	.00230	.06240	.04180	.50200	.14890	3.37020
1.197	11.930	.64910	-.09360	.00290	.00160	.00180	.06210	.04330	.62220	.19500	3.19030
1.197	14.190	.77690	-.11430	-.00060	.00180	.00240	.06270	.04520	.73780	.25140	2.93490
1.197	16.420	.87630	-.11920	-.00570	.00300	.00450	.06290	.04960	.82270	.30800	2.67070
1.197	18.690	.97680	-.12330	-.00590	.00090	.00170	.06350	.05410	.90490	.37320	2.42440
1.197	20.900	1.06390	-.13590	-.00670	.00030	.00230	.06180	.05550	.99060	.44440	2.22670
1.197	22.960	1.15300	-.13260	-.00840	.00060	.00350	.05820	.05780	1.03870	.50390	2.06120
1.197	11.940	.65310	-.09430	.00310	.00140	.00190	.06200	.04310	.62610	.19590	3.19580
GRADIENT		.06009	-.01536	-.00081	.00024	-.00009	-.00019	.00024	.05900	.00261	.68384

RUN NO. 68/ 0 RN/L = 7.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CL	CAF	CAB	CL	CD	L/D
1.965	.710	.01780	-.00530	.01740	-.00020	.00110	.06710	.02530	.01700	.06740	.25260
1.965	2.790	.09760	-.01940	.01560	.00010	.00080	.06550	.02650	.09430	.07020	1.34300
1.965	4.990	.18100	-.03400	.01330	.00020	.00090	.06720	.02530	.17440	.08270	2.10690
1.965	7.180	.26100	-.04660	.01070	.00110	.00070	.06620	.02660	.25070	.09640	2.54750
1.965	9.350	.33700	-.05840	.00870	.00180	.00090	.06490	.02730	.32190	.11880	2.70970
1.965	11.530	.41300	-.07000	.00620	.00210	.00120	.06400	.02630	.39380	.14570	2.70230
1.965	13.740	.49710	-.08110	.00490	.00230	.00170	.06280	.02610	.46790	.17920	2.61080
1.965	15.900	.57330	-.08930	.00220	.00210	.00200	.06080	.02680	.53470	.21570	2.47860
1.965	18.110	.64410	-.09140	-.00050	.00200	.00280	.05840	.02660	.59400	.25580	2.32150
1.965	20.290	.72700	-.10160	-.00470	.00260	.00350	.05610	.02660	.66240	.30490	2.17250
1.965	22.580	.80180	-.10790	-.00800	.00330	.00440	.05300	.02770	.72110	.35440	2.03430
1.965	11.520	.41180	-.06710	.00660	.00190	.00100	.06340	.02650	.39080	.14450	2.70450
GRADIENT		.03613	-.00670	-.00096	.00009	-.00005	.00003	-.00001	.03677	.00360	.43242

N555 (PAS) NAR ATP CRB (BICIDIFIM1) (WIE1) (V1K1R1)

(R76301) (03 NOV 72)

REFERENCE DATA

PARAMETRIC DATA

BREF = 7.4190 SQ. IN. XMRP = 3.4330 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 SREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

BETA = .000 CONFIG = 3.000
 RUDDER = .000 RUOFLR = 10.000
 ELEVTR = .000 CBDELV = .000
 IBDELV = .000 AILRON = .000
 CBODAIL = .000 IBODAIL = .000

RUN NO. 22/ 0 RN/L = 4.12 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CL	CAF	CAB	CL	CD	L/D
2.990	.660	-.00880	-.01700	.00960	.00090	.00000	.06650	.01260	-.00960	.06640	-.14520
2.990	2.610	.04270	-.02120	.00860	.00070	.00000	.06540	.01310	.03960	.06720	.98980
2.990	4.700	.09630	-.02430	.00770	.00100	.00000	.06380	.01340	.09070	.07150	1.26930
2.990	6.770	.15490	-.02890	.00620	.00110	.00030	.06230	.01340	.14650	.08020	1.82630
2.990	8.840	.21620	-.03600	.00410	.00120	.00040	.06040	.01360	.20430	.09300	2.19690
2.990	10.920	.27870	-.04140	.00330	.00110	.00090	.05880	.01370	.26250	.11060	2.37370
2.990	13.020	.34290	-.04920	.00180	.00110	.00130	.05730	.01360	.32120	.13310	2.41200
2.990	15.100	.40990	-.05580	-.00090	.00130	.00150	.05600	.01340	.38110	.16090	2.36780
2.990	17.210	.48090	-.06230	-.00260	.00200	.00180	.05420	.01340	.44330	.19410	2.28300
2.990	19.260	.55450	-.07050	-.00470	.00250	.00190	.05260	.01360	.50610	.23260	2.17560
2.990	21.260	.62700	-.07910	-.00680	.00260	.00190	.05100	.01400	.56570	.27500	2.05710
GRADIENT		.02601	-.00180	-.00047	.00003	.00000	-.00067	.00020	.02482	.00127	.34983

RUN NO. 21/ 0 RN/L = 4.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CL	CAF	CAB	CL	CD	L/D
4.959	.660	-.03100	-.01930	.00790	.00070	-.00010	.06050	.00260	-.03170	.06020	-.52760
4.959	2.590	.00710	-.02130	.00610	.00080	.00000	.05770	.00290	.00450	.05800	.07770
4.959	4.620	.04730	-.02270	.00600	.00110	.00030	.05670	.00320	.04260	.06040	.70560
4.959	6.670	.08700	-.02550	.00420	.00110	.00040	.05440	.00340	.08010	.06420	1.24840
4.959	8.680	.13310	-.02950	.00250	.00150	.00060	.05190	.00350	.12370	.07140	1.73200
4.959	10.720	.18210	-.03150	.00180	.00140	.00080	.04970	.00360	.16970	.08270	2.05010
4.959	12.780	.23440	-.03310	.00160	.00180	.00110	.04760	.00370	.21800	.09830	2.21740
4.959	14.800	.29080	-.03910	-.00010	.00140	.00120	.04620	.00370	.26920	.11890	2.26300
4.959	16.880	.35190	-.04360	-.00240	.00170	.00140	.04580	.00380	.32340	.14610	2.21290
4.959	18.890	.41500	-.04960	-.00310	.00230	.00180	.04570	.00380	.37780	.17760	2.12700
4.959	20.860	.48040	-.05640	-.00540	.00250	.00180	.04590	.00390	.43250	.21400	2.02080
GRADIENT		.01977	-.00086	-.00048	.00010	.00010	-.00096	.00015	.01876	.00006	.31140

M55 (FAS) MAR ATP ORB (BIC10(FINI) (MIE1) (VIERI)

(RT6302) (03 NOV 72)

REFERENCE DATA

SREF = 7.4190 SQ. IN. XMRP = 3.4330 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 SREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

BETA = .000 CONFIG = 3.000
 RUDDER = .000 RUOFLR = 10.000
 ELEVTR = .000 CBDELV = .000
 IBDELV = .000 AILRON = .000
 CBDAIL = .000 IBDAIL = .000

RUN NO. 32/ 0 RN/L = 9.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CSL	CAF	CAB	CL	CD	L/D
.899	22.010	.85700	-.02310	-.00780	.00200	-.00040	-.00070	.04410	.79480	.32060	2.47900
.899	23.920	.87980	-.01870	-.01280	.00380	.00110	-.00360	.04890	.80570	.35340	2.27950
.899	25.990	.92760	-.02080	-.00690	.00150	.00040	-.00520	.05210	.83610	.40180	2.06030
.899	28.030	.96910	-.02490	.01480	-.00090	-.00840	-.00750	.05910	.85890	.44890	1.91320
.899	30.100	1.03320	-.03590	.01270	.00740	-.01110	-.00880	.06270	.89830	.51050	1.75950
.899	32.180	1.10780	-.04320	-.00380	.01120	-.00680	-.01360	.06680	.94480	.57840	1.63330
.899	34.290	1.19650	-.04700	-.01580	.00860	.00100	-.01690	.06970	.99810	.66010	1.51200
.899	36.340	1.29970	-.04440	-.01700	.00690	.00290	-.02300	.07160	1.02850	.72800	1.41250
.899	38.450	1.32550	-.04630	-.01750	.00630	.00180	-.03010	.07400	1.05680	.80070	1.31980
.899	40.500	1.39310	-.04840	-.01400	.00620	.00020	-.03660	.07480	1.08300	.87700	1.23480
.899	42.490	1.44660	-.04940	-.01110	.00620	-.00110	-.04430	.07720	1.09650	.94450	1.16090
.899	32.200	1.11780	-.04380	-.00340	.01140	-.00660	-.01320	.06700	.95290	.58440	1.63030
GRADIENT		.05060	-.00186	-.00063	.00027	.00013	-.00205	.00162	.01640	.03139	-.06297

RUN NO. 31/ 0 RN/L = 6.27 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CSL	CAF	CAB	CL	CD	L/D
.901	22.790	.91630	-.00910	-.00810	.00290	-.00030	.02180	.06280	.83630	.37510	2.22930
.901	24.810	.98260	-.01260	-.00950	.00350	.00060	.01910	.06560	.86400	.42980	2.05660
.901	26.970	1.06800	-.02510	-.01000	.00520	.00000	.01670	.06760	.94420	.49930	1.89090
.901	29.170	1.18820	-.03830	-.01770	.00880	.00220	.01680	.06790	1.01170	.58430	1.73160
.901	31.300	1.25250	-.03870	-.03400	.01250	.00830	.01190	.07020	1.06400	.66100	1.60960
.901	33.470	1.33900	-.04420	-.03860	.01270	.01120	.00750	.07130	1.11270	.74480	1.49380
.901	35.610	1.42050	-.04700	-.03330	.00960	.01260	.00000	.07370	1.15470	.82730	1.39570
.901	37.740	1.47980	-.05340	-.01170	.00350	.00620	-.01010	.07650	1.17630	.89780	1.31010
.901	39.890	1.52430	-.02880	.01720	.00020	-.00380	-.01840	.07710	1.18120	.96350	1.22580
.901	41.970	1.57650	-.02810	.00970	.00270	-.00300	-.02680	.07690	1.18980	1.03450	1.15010
.901	44.000	1.64510	-.02820	-.00020	.00290	-.00180	-.03260	.07560	1.20610	1.11930	1.07740
GRADIENT		.03484	-.00072	.00089	-.00013	-.00009	-.00266	.00068	.01792	.03545	-.05297

M955 (FAS) NAR ATP ORB (BICIDIFIMI) (WIEI) (VIRIRI)

(R76302) (03 NOV 72)

REFERENCE DATA

BREF = 7.4190 SQ. IN. XMRP = 3.4330 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 BREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

BETA = .000 CONFIG = 3.000
 RUDDER = .000 RUOPLR = 10.000
 ELEVTR = .000 CBDELV = .000
 IBDELV = .000 AILRON = .000
 CBDAIL = .000 IBDAIL = .000

RUN NO. 30/ 0 RN/L = 4.11 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
2.990	21.800	.61830	-.07810	-.00580	.00310	.00180	.05050	.01340	.55520	.27660	2.00700
2.990	23.770	.69210	-.06680	-.00620	.00360	.00180	.04680	.01410	.61370	.32370	1.89540
2.990	25.890	.77160	-.09690	-.01130	.00410	.00200	.04750	.01420	.67340	.37970	1.77320
2.990	27.990	.85560	-.10560	-.01340	.00470	.00220	.04610	.01440	.73380	.44240	1.65880
2.990	30.090	.94150	-.11480	-.01460	.00450	.00270	.04490	.01450	.79200	.51100	1.54970
2.990	32.200	1.02890	-.12460	-.01520	.00310	.00400	.04360	.01450	.84730	.58520	1.44770
2.990	34.310	1.11890	-.13430	-.01510	.00220	.00520	.04310	.01450	.89980	.66640	1.35020
2.990	36.420	1.20860	-.14560	-.01930	.00230	.00570	.04200	.01460	.94750	.75140	1.26100
2.990	38.570	1.30160	-.15560	-.02490	.00400	.00490	.04110	.01440	.99190	.84370	1.17550
2.990	40.640	1.38810	-.16320	-.02930	.00540	.00430	.04050	.01430	1.02690	.93490	1.09830
2.990	42.660	1.47020	-.17180	-.03180	.00560	.00420	.03960	.01410	1.05420	1.02550	1.02790
GRADIENT		.04122	-.00455	-.00116	.00005	.00017	-.00051	.00002	.02442	.03619	-.04708

RUN NO. 29/ 0 RN/L = 4.81 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
4.959	21.420	.49970	-.05390	-.00720	.00270	.00210	.04710	.00260	.44790	.22640	1.97810
4.959	23.350	.56760	-.06050	-.00900	.00290	.00210	.04710	.00290	.50240	.26830	1.87240
4.959	25.430	.64310	-.07000	-.01300	.00290	.00230	.04730	.00320	.56040	.31890	1.75740
4.959	27.480	.72210	-.07810	-.01490	.00270	.00260	.04740	.00350	.61860	.37530	1.64820
4.959	29.540	.80430	-.08610	-.01560	.00310	.00320	.04820	.00360	.67590	.43860	1.54100
4.959	31.600	.88410	-.09530	-.01680	.00320	.00350	.04820	.00360	.72770	.50440	1.44250
4.959	33.660	.97140	-.10710	-.01920	.00340	.00380	.04860	.00360	.78140	.57900	1.34960
4.959	35.720	1.05580	-.11980	-.02320	.00360	.00360	.04830	.00350	.82890	.65570	1.26410
4.959	37.820	1.14500	-.13050	-.02500	.00420	.00400	.04850	.00350	.87460	.74050	1.18090
4.959	39.860	1.23080	-.14390	-.02840	.00450	.00400	.04720	.00360	.91430	.82520	1.10790
4.959	41.820	1.31500	-.15460	-.03020	.00500	.00430	.04670	.00350	.94870	.91180	1.04040
GRADIENT		.04017	-.00497	-.00110	.00011	.00011	.00002	.00004	.02489	.03375	-.04621

M555 (FA3) WAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

(R76303) (03 NOV 72)

REFERENCE DATA

GREY = 7.4180 SQ. IN. YMRP = 3.4550 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 GREY = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

BETA = .000 CONFIG = 3.000
 RUDDER = .000 RUDFLR = 10.000
 ELEVTR = .000 CBDELV = .000
 IBDELV = .000 AILRON = .000
 CBDAIL = .000 IBDAIL = .000

RUN NO. 197/ 0 RN/L = 4.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
2.990	42.020	1.42380	-.16170	.00930	.00000	.00120	.03750	.01230	1.03240	.96110	1.03230
2.990	43.970	1.50520	-.16910	.01070	-.00050	.00120	.03720	.01240	1.05740	1.07180	.98650
2.990	46.030	1.58250	-.17340	.01220	-.00050	.00110	.03710	.01250	1.07190	1.16480	.92010
2.990	48.110	1.65410	-.17830	.01240	-.00060	.00110	.03630	.01280	1.07730	1.25560	.85790
2.990	50.160	1.72680	-.18470	.01420	-.00130	.00120	.03540	.01290	1.07880	1.34880	.79980
2.990	52.220	1.79250	-.18840	.01680	-.00130	.00160	.03500	.01290	1.07040	1.43830	.74420
2.990	54.270	1.84940	-.19010	.01730	-.00130	.00160	.03360	.01300	1.05250	1.52100	.69200
2.990	56.290	1.90030	-.19000	.01890	-.00140	.00130	.03220	.01270	1.02760	1.59890	.64260
2.990	58.370	1.94240	-.19020	.01810	-.00170	.00120	.03070	.01270	.99230	1.67010	.59410
2.990	60.390	1.98330	-.19080	.01870	-.00170	.00100	.02950	.01280	.95420	1.73890	.54870
2.990	62.350	2.01740	-.19130	.02000	-.00170	.00110	.02810	.01320	.91100	1.80020	.50600
GRADIENT		.02925	-.00140	.00053	-.00008	-.00000	-.00048	.00003	-.00615	.04065	-.02669

RUN NO. 198/ 0 RN/L = 4.92 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
4.959	41.510	1.30500	-.15210	.01180	-.00080	.00270	.04690	.00240	.94610	.90010	1.05100
4.959	43.440	1.38500	-.16140	.01460	-.00060	.00270	.04620	.00260	.97370	.98600	.98750
4.959	45.480	1.46620	-.17450	.01450	-.00130	.00240	.04480	.00280	.99740	1.07830	.92490
4.959	47.530	1.54880	-.18400	.01500	-.00080	.00260	.04450	.00290	1.01280	1.17270	.86360
4.959	49.570	1.62490	-.19050	.01760	-.00090	.00270	.04340	.00280	1.02060	1.26510	.80670
4.959	51.600	1.69650	-.19810	.01640	-.00120	.00220	.04280	.00290	1.02010	1.35630	.75210
4.959	53.630	1.76440	-.20370	.01910	-.00130	.00240	.04150	.00290	1.01270	1.44540	.70060
4.959	55.640	1.83100	-.21370	.01790	-.00130	.00260	.04000	.00280	1.00020	1.53410	.65190
4.959	57.710	1.89060	-.21790	.01950	-.00130	.00260	.03950	.00260	.97640	1.61940	.60290
4.959	59.710	1.93800	-.21750	.01940	-.00190	.00290	.03820	.00270	.94420	1.69280	.55770
4.959	61.670	1.97770	-.21770	.01980	-.00190	.00290	.03710	.00260	.90550	1.75860	.51480
GRADIENT		.03567	-.00339	.00037	-.00005	.00001	-.00048	.00000	-.00187	.04329	-.02646

M555 (FAS) MAR ATP ORB (B1C1D1F1H1) (M1E1) (V1K1R1)

(R76304) (03 NOV 72)

REFERENCE DATA

GREF = 7.4190 SQ. IN. YMRP = 3.4530 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 BREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

ALPHA = .000 CONFIG = 3.000
 RUDDER = .000 RUOFLR = 10.000
 ELEVTB = .000 CBOELV = .000
 IBOELV = .000 AILRON = .000
 CBOAIL = .000 IBOAIL = .000

RUN NO. 77/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
.998	-10.080	-.01790	.00960	.15820	-.01120	.00450	.02160	.02470	-.01790	.02170	-.82350
.998	-8.150	-.01670	.01330	.12890	-.01110	.00630	.02420	.02380	-.01660	.02430	-.68560
.998	-6.100	-.01490	.01710	.10040	-.00920	.00630	.02640	.02310	-.01480	.02640	-.56250
.998	-4.060	-.01030	.02150	.06660	-.00640	.00610	.02710	.02300	-.01030	.02710	-.38090
.998	-2.030	-.00400	.02380	.03260	-.00320	.00520	.02840	.02200	-.00400	.02840	-.14120
.998	.000	-.00790	.02670	.00260	-.00060	.00450	.02790	.02280	-.00780	.02790	-.28190
.998	2.030	-.00120	.02730	-.03040	.00290	.00370	.02560	.02440	-.00120	.02560	-.04760
.998	4.040	.00580	.02650	-.06300	.00600	.00200	.02180	.02730	.00590	.02180	.27060
.998	6.140	.01370	.02330	-.09920	.00940	.00040	.02020	.02780	.01370	.02010	.68100
.998	8.150	.01980	.02330	-.12820	.01140	-.00010	.01880	.02810	.01960	.01880	1.04410
.998	10.090	.02320	.01980	-.15910	.01190	-.00020	.01660	.02960	.02320	.01660	1.39660
.998	.000	-.00420	.02840	.00280	-.00040	.00420	.02790	.02280	-.00410	.02790	-.14840
	GRADIENT	.00173	.00067	-.01590	.00153	-.00048	-.00066	.00054	.00174	-.00066	.06888

RUN NO. 78/ 0 RN/L = 6.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
.906	-10.240	-.06930	.03490	.17890	-.01230	.00350	.02810	.02990	-.06920	.02840	-2.43400
.906	-8.280	-.06450	.04090	.14590	-.01330	.00600	.03040	.02880	-.06440	.03070	-2.10000
.906	-6.190	-.05910	.04510	.11100	-.01110	.00640	.03250	.02690	-.05900	.03270	-1.80290
.906	-4.120	-.05340	.04990	.07640	-.00850	.00630	.03360	.02620	-.05330	.03380	-1.57730
.906	-2.060	-.05620	.05510	.03330	-.00280	.00430	.03650	.02340	-.05610	.03660	-1.33140
.906	.000	-.05230	.05690	.00360	-.00090	.00300	.03510	.02340	-.05220	.03530	-1.47910
.906	2.070	-.04250	.05590	-.03370	.00340	.00090	.03270	.02630	-.04250	.03280	-1.29270
.906	4.110	-.03800	.05490	-.06930	.00770	-.00100	.02840	.02970	-.03800	.02850	-1.33330
.906	6.220	-.03700	.05280	-.10650	.01090	-.00220	.02670	.03160	-.03700	.02680	-1.37860
.906	8.270	-.03050	.04830	-.13980	.01290	-.00240	.02340	.03370	-.03050	.02340	-1.29950
.906	10.260	-.02950	.04450	-.17200	.01300	-.00120	.02230	.03570	-.02940	.02230	-1.31590
.906	.000	-.04890	.05550	.00290	-.00070	.00290	.03540	.02470	-.04880	.03550	-1.37410
	GRADIENT	.00216	.00053	-.01741	.00187	-.00087	-.00069	.00038	.00215	-.00070	.03532

N555 (PAS) NAR ATP CRB (BICIDIFINI) (WIE1) (VIRIR1)

(RT6304) (03 NOV 72)

REFERENCE DATA

SREF = 7.4190 SQ. IN. XMRP = 3.4530 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 SREF = 4.0500 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

ALPHA = .000 CONFIG = 3.000
 RUDDER = .000 RUDDFLR = 10.000
 ELEVTR = .000 CBDELV = .000
 ISDELV = .000 AILRON = .000
 CDBAIL = .000 ISBAIL = .000

RUN NO. 79/ 0 RN/L = 6.69 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
1.201	-10.340	-.03800	.04230	.16290	-.01220	.01560	.05890	.04390	-.03780	.03900	-.64150
1.201	-8.350	-.02630	.04340	.14420	-.01150	.01530	.05990	.04380	-.02620	.06000	-.43690
1.201	-6.250	-.01320	.04380	.10420	-.00890	.01340	.06280	.04250	-.01310	.06280	-.20860
1.201	-4.150	-.00460	.04700	.06530	-.00510	.01050	.06280	.04350	-.00460	.06280	-.07320
1.201	-2.070	.00010	.05030	.03030	-.00200	.00680	.06470	.04290	.00010	.06470	.00270
1.201	.010	.00520	.05080	-.00440	.00020	.00380	.06480	.04270	.00520	.06480	.06130
1.201	2.090	.01090	.04840	-.03810	.00280	.00010	.06300	.04410	.01090	.06300	.17420
1.201	4.140	.01490	.04850	-.07220	.00600	-.00350	.06110	.04500	.01490	.06110	.24370
1.201	6.270	.01670	.04310	-.11090	.00940	-.00740	.05960	.04600	.01670	.05960	.28060
1.201	8.360	.01660	.04090	-.14860	.01160	-.00980	.05900	.04600	.01660	.05900	.28140
1.201	10.380	.01670	.03670	-.18310	.01170	-.01150	.05900	.04590	.01670	.05900	.28330
1.201	.010	.00870	.04930	-.00450	.00000	.00340	.06470	.04300	.00870	.06470	.13530
GRADIENT		.00240	-.00012	-.01656	.00130	-.00167	-.00025	.00020	.00240	-.00025	.03683

RUN NO. 91/ 0 RN/L = 7.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
1.959	-10.440	.00150	-.00900	.17330	-.00300	.00220	.06420	.02690	.00150	.06420	.02430
1.959	-8.410	.01230	-.00930	.13700	-.00360	.00290	.06520	.02600	.01250	.06510	.19200
1.959	-6.290	.02220	-.00770	.10270	-.00450	.00350	.06640	.02530	.02230	.06640	.33600
1.959	-4.190	.03100	-.00800	.06730	-.00320	.00280	.06760	.02440	.03110	.06750	.46120
1.959	-2.090	.03700	-.00760	.03160	-.00140	.00190	.06780	.02460	.03710	.06780	.54750
1.959	.000	.04050	-.00820	-.00230	.00070	.00060	.06810	.02450	.04040	.06800	.59350
1.959	2.110	.04160	-.00810	-.03530	.00260	-.00020	.06750	.02520	.04160	.06750	.61730
1.959	4.180	.04100	-.00770	-.07010	.00480	-.00110	.06660	.02560	.04110	.06660	.61670
1.959	6.330	.03960	-.00740	-.10470	.00580	-.00170	.06670	.02580	.03980	.06660	.59830
1.959	8.430	.03490	-.00840	-.13960	.00550	-.00180	.06710	.02590	.03500	.06700	.52250
1.959	10.470	.02690	-.00870	-.17420	.00430	-.00150	.06680	.02680	.02700	.06680	.40420
1.959	.000	.03940	-.00800	-.00240	.00040	.00090	.06760	.02470	.03950	.06760	.58460
GRADIENT		.00116	.00000	-.01632	.00096	-.00047	-.00011	.00014	.00117	-.00010	.01820

M555 (FAS) MAR ATP CRB (BICIDIFIM1) (WIE1) (VIKIR1)

(R76305) (03 NOV 72)

REFERENCE DATA

BREF = 7.4100 SQ. IN. XMRP = 3.4530 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 SREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

ALPHA = 10.000 CONFIG = 3.000
 RUDDER = .000 RUOFLR = 10.000
 ELEVTR = .000 CBOELV = .000
 ISDELV = .000 AILRON = .000
 CBOAIL = .000 ISDAIL = .000

RUN NO. 43/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
.596	-10.100	.52760	-.03440	.15600	-.01010	.01590	-.00020	.02710	.51760	.10180	5.08340
.596	-8.130	.52350	-.03030	.12340	-.01050	.01630	.00220	.02460	.51320	.10350	4.95860
.596	-6.080	.52820	-.02690	.08890	-.00970	.01480	.00240	.02430	.51780	.10460	4.94810
.596	-4.030	.53340	-.02270	.05710	-.00730	.01250	.00250	.02420	.52280	.10590	4.93550
.596	-2.010	.54200	-.01820	.02270	-.00450	.00940	.00370	.02470	.53100	.10880	4.87710
.596	.010	.54640	-.01680	-.00660	-.00100	.00600	.00510	.02390	.53500	.11110	4.81180
.596	2.070	.55010	-.01490	-.04090	.00180	.00190	.00260	.02530	.53910	.10940	4.92560
.596	4.060	.55780	-.01580	-.07140	.00480	-.00190	.00030	.02560	.54710	.10880	5.02760
.596	6.130	.56640	-.01690	-.10570	.00770	-.00640	-.00060	.02570	.54790	.10780	5.08000
.596	8.170	.56710	-.02110	-.13840	.01020	-.00990	-.00290	.02780	.55690	.10730	5.16670
.596	10.110	.56100	-.02370	-.16880	.01070	-.01210	-.00390	.02890	.55100	.10510	5.24090
.596	.010	.54860	-.01510	-.00870	-.00110	.00560	.00430	.02440	.53750	.11080	4.85040
GRADIENT		.00260	.00064	-.01579	.00149	-.00179	-.00027	.00017	.00279	.00031	.01150

RUN NO. 44/ 0 RN/L = 6.27 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
.901	.020	.56480	-.01240	-.01500	.00150	.00620	.02550	.03290	.54800	.13900	3.94130
.901	-10.280	.56990	-.04680	.17070	-.00670	.01060	.02120	.03370	.55400	.13550	4.08560
.901	-8.290	.56940	-.04900	.13660	-.00900	.00970	.02170	.03240	.57280	.14030	4.08190
.901	-6.180	.54340	-.01860	.08710	-.00340	.02160	.02360	.03270	.52760	.13250	3.98130
.901	-4.100	.55330	-.01800	.05250	-.00300	.01860	.02320	.03240	.53730	.13430	4.00050
.901	-2.030	.56520	-.01430	.01730	-.00030	.01400	.02440	.03240	.54860	.13800	3.97270
.901	.020	.56570	-.01320	-.01280	.00140	.00860	.02480	.03200	.54900	.13860	3.96010
.901	2.100	.57120	-.01430	-.04420	.00330	.00260	.02490	.03290	.55440	.13950	3.97210
.901	4.140	.57680	-.01450	-.07390	.00540	-.00340	.02250	.03340	.56030	.13880	4.03430
.901	6.250	.57270	-.01650	-.10730	.00700	-.00920	.01990	.03470	.55680	.13530	4.11350
.901	8.300	.57220	-.01810	-.14160	.00780	-.01410	.01840	.03620	.55670	.13370	4.16370
.901	10.280	.56800	-.01570	-.17180	.00660	-.01980	.01830	.03720	.55260	.13270	4.16130
GRADIENT		.00257	.00034	-.01523	.00099	-.00269	-.00006	.00012	.00251	.00051	.00324

N555 (FAS) NAR ATP ORB (SIC101F1M1) (M1E1) (V1K1R1)

(RT6305) (03 NOV 72)

REFERENCE DATA

SREF = 7.4190 SQ. IN. XMRP = 3.4530 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 SREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

ALPHA = 10.000 CONFIG = 3.000
 RUDDER = .000 RUDDFLR = 10.000
 ELEVTR = .000 CBDELV = .000
 IBDELV = .000 AILRON = .000
 CBDAIL = .000 IBDAIL = .000

RUN NO. 45/ 0 RN/L = 6.67 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
1.197	-10.360	.63910	-.10040	.14970	.00120	.02570	.05950	.04570	.61310	.19010	3.22460
1.197	-6.340	.68470	-.10000	.11250	.00000	.02340	.06030	.04380	.62800	.19440	3.22950
1.197	-6.220	.66650	-.10000	.07760	-.00020	.02010	.06140	.04220	.64100	.19870	3.22480
1.197	-4.130	.67950	-.10070	.04410	.00030	.01410	.06210	.04180	.65170	.20210	3.22460
1.197	-2.050	.66750	-.09800	.01250	.00190	.00850	.06290	.04210	.65930	.20470	3.22000
1.197	.030	.69520	-.09700	-.01670	.00200	.00350	.06370	.04230	.66660	.20740	3.21330
1.197	2.130	.70610	-.09650	-.04430	.00200	-.00140	.06300	.04260	.67730	.20920	3.23650
1.197	4.180	.71130	-.10050	-.07320	.00320	-.00670	.06210	.04220	.68250	.20950	3.25780
1.197	6.330	.71330	-.10200	-.10460	.00360	-.01310	.06060	.04460	.68490	.20840	3.28550
1.197	8.390	.71140	-.10110	-.13640	.00320	-.01790	.06030	.04590	.68310	.20770	3.28840
1.197	10.360	.70220	-.10160	-.16990	.00170	-.02200	.06010	.04590	.67420	.20540	3.28220
1.197	.030	.69520	-.09720	-.01630	.00190	.00310	.06340	.04310	.66670	.20700	3.21960
GRADIENT		.00395	.00001	-.01401	.00028	-.00248	.00001	.00006	.00383	.00093	.00398

RUN NO. 69/ 0 RN/L = 7.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
1.961	-10.450	.40110	-.06940	.14530	.00690	.00960	.05950	.02730	.38120	.13630	2.75640
1.961	-6.430	.41180	-.06960	.11310	.00520	.00800	.06030	.02580	.39140	.14130	2.76890
1.961	-6.290	.42850	-.07250	.08190	.00270	.00740	.06090	.02540	.40740	.14550	2.79910
1.961	-4.170	.43900	-.07360	.05180	.00060	.00600	.06180	.02530	.41760	.14880	2.80600
1.961	-2.080	.44410	-.07410	.02210	.00100	.00400	.06350	.02550	.42230	.15160	2.78570
1.961	.010	.44640	-.07340	-.00800	.00130	.00160	.06350	.02670	.42640	.15250	2.79450
1.961	2.120	.45270	-.07260	-.03690	.00170	-.00110	.06290	.02660	.43070	.15290	2.81540
1.961	4.200	.45010	-.07190	-.06520	.00130	-.00310	.06150	.02620	.42850	.15100	2.83770
1.961	6.340	.45240	-.07260	-.09440	.00050	-.00530	.06130	.02640	.43080	.15130	2.84720
1.961	8.440	.44760	-.07210	-.12470	-.00180	-.00700	.06150	.02640	.42600	.15040	2.83140
1.961	10.470	.44320	-.07180	-.15660	-.00430	-.00840	.06140	.02680	.42170	.14930	2.82430
1.961	.010	.44270	-.07180	-.00900	.00120	.00140	.06290	.02670	.42100	.15070	2.79540
GRADIENT		.00147	.00023	-.01399	.00008	-.00111	-.00006	.00014	.00144	.00027	.00445

M355 (FAS) MAR ATP CRB (BICIDIFINI) (WIE1) (VIKIR1)

(R76305) (03 NOV 92)

REFERENCE DATA

SREF = 7.4190 SQ. IN. XMRP = 3.4530 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 BREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

ALPHA = 10.000 CONFIG = 3.000
 RUDDER = .000 RUOFLR = 10.000
 ELEVTR = .000 CBDELV = .000
 ISDELV = .000 AILRON = .000
 CBDAIL = .000 ISDAIL = .000

RUN NO. 23/ 0 RN/L = 4.11 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
2.990	-10.140	.26990	-.04420	.12610	.00860	.00640	.06030	.01390	.25360	.11030	2.29920
2.990	-8.210	.27390	-.04470	.09820	.00720	.00330	.03990	.01390	.25960	.11110	2.33650
2.990	-6.140	.27690	-.04290	.07140	.00530	.00470	.05910	.01390	.26270	.11090	2.36830
2.990	-4.080	.28370	-.04360	.04470	.00360	.00330	.05670	.01370	.26740	.11140	2.40010
2.990	-2.040	.28390	-.04370	.02090	.00190	.00220	.05800	.01370	.26970	.11120	2.42400
2.990	.000	.28810	-.04320	-.00430	.00090	.00060	.05840	.01370	.27180	.11200	2.42670
2.990	2.060	.29100	-.04330	-.02960	.00010	-.00100	.05670	.01380	.27450	.11290	2.43070
2.990	4.090	.29090	-.04400	-.03370	-.00150	-.00230	.05970	.01380	.27430	.11360	2.40950
2.990	6.200	.28950	-.04520	-.08040	-.00360	-.00350	.05980	.01380	.27290	.11370	2.40010
2.990	8.200	.28790	-.04370	-.10650	-.00550	-.00500	.06040	.01400	.27120	.11390	2.37950
2.990	10.170	.28650	-.04530	-.13420	-.00740	-.00630	.06090	.01420	.26980	.11410	2.36370
GRADIENT		.00095	-.00002	-.01210	-.00059	-.00070	.00013	.00001	.00091	.00032	.00125

RUN NO. 24/ 0 RN/L = 4.65 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
4.959	-10.010	.16990	-.02720	.09400	.01020	.00570	.05680	.00290	.15640	.08740	1.78910
4.959	-8.090	.17520	-.02800	.07470	.00820	.00530	.05470	.00330	.16200	.08640	1.87510
4.959	-6.060	.18090	-.02820	.05490	.00620	.00440	.05310	.00340	.16780	.08580	1.95430
4.959	-4.040	.18420	-.03060	.03390	.00420	.00340	.05090	.00350	.17150	.08430	2.03410
4.959	-2.020	.18680	-.03110	.01530	.00260	.00180	.04990	.00360	.17420	.08380	2.07730
4.959	.000	.18980	-.02990	-.00380	.00090	.00020	.04930	.00380	.17700	.08370	2.11350
4.959	2.020	.18950	-.03150	-.02240	-.00080	-.00130	.05010	.00370	.17690	.08450	2.09200
4.959	4.040	.19060	-.03020	-.03940	-.00280	-.00280	.05200	.00380	.17750	.08660	2.04930
4.959	6.110	.18980	-.03200	-.05970	-.00490	-.00410	.05340	.00390	.17650	.08780	2.01060
4.959	8.090	.18690	-.02930	-.07900	-.00650	-.00490	.05470	.00400	.17340	.08850	1.95810
4.959	10.030	.18590	-.02820	-.09880	-.00860	-.00370	.05620	.00400	.17220	.08980	1.91550
GRADIENT		.00077	.00002	-.00912	-.00086	-.00077	.00012	.00003	.00073	.00026	.00223

M555 (PAS) WAR ATP CRB (BICIDIFIMI) (MIEI) (VIKIRI)

(R76306) (03 NOV 72)

REFERENCE DATA

SREF = 7.4190 SQ. IN. YMRP = 3.4930 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 SREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

ALPHA = 20.000 CONFIG = 3.000
 RUDDER = .000 RUDFLR = 10.000
 ELEVTR = .000 CBDELV = .000
 IBDELV = .000 AILRON = .000
 CBDAIL = .000 IBDAIL = .000

RUN NO. 82/ 0 RN/L = 4.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
.999	-10.080	.89170	-.05380	.14280	-.00470	.01060	-.01680	.04420	.83440	.31480	2.65040
.999	-8.150	.86760	-.03130	.11210	-.00530	.00750	-.01400	.04390	.82950	.31590	2.62960
.999	-6.090	.89390	-.02740	.08090	-.00500	.00430	-.01200	.04340	.83460	.32010	2.60680
.999	-4.050	.88660	-.02420	.04580	-.00350	.00090	-.01290	.04940	.83000	.31740	2.61470
.999	-2.010	.88590	-.01890	.01070	-.00020	-.00310	-.00900	.04970	.82610	.32000	2.58110
.999	.020	.87860	-.01210	-.02360	.00320	-.00430	-.00740	.05080	.81890	.31880	2.56830
.999	2.060	.87460	-.00630	-.04920	.00610	-.00420	-.00660	.05000	.81490	.31810	2.56150
.999	4.080	.87370	-.01020	-.08400	.00770	-.00500	-.00820	.04850	.81430	.31630	2.57300
.999	6.160	.87860	-.01310	-.11520	.00940	-.00790	-.01170	.04880	.82040	.31480	2.60610
.999	8.190	.86570	-.01440	-.14870	.00970	-.00920	-.01340	.04570	.82750	.31600	2.61890
.999	10.170	.90440	-.02080	-.18790	.00750	-.00660	-.01750	.04390	.84630	.31920	2.63100
.999	.010	.87770	-.01050	-.02280	.00330	-.00490	-.00840	.05170	.81830	.31750	2.57720
GRADIENT		-.00201	.00200	-.01572	.00141	-.00063	.00058	-.00007	-.00208	-.00020	-.00488

RUN NO. 81/ 0 RN/L = 6.28 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
.904	-10.310	.90920	-.01930	.14440	.01210	.02420	.01400	.05920	.83460	.36080	2.31310
.904	-8.340	.92210	-.01600	.11270	.00950	.01910	.01620	.05940	.84540	.36830	2.29910
.904	-6.200	.93700	-.01430	.07900	.00240	.01260	.01690	.05970	.85870	.37530	2.28810
.904	-4.100	.93000	-.01490	.05030	-.00170	.00610	.01590	.06130	.87110	.37950	2.29500
.904	-2.030	.94780	-.00990	.01070	.00080	.00090	.01880	.06310	.86790	.38140	2.27540
.904	.040	.94830	-.00090	-.02310	.00180	-.00040	.02160	.06330	.86730	.38420	2.25740
.904	2.110	.95710	-.00080	-.05090	.00180	-.00250	.02270	.06350	.87470	.38920	2.24690
.904	4.170	.96010	-.00350	-.08010	.00220	-.00570	.01860	.06280	.87900	.38680	2.27860
.904	6.300	.94980	-.00550	-.11170	-.00020	-.01230	.01410	.06230	.87150	.37800	2.30490
.904	8.380	.93380	-.00390	-.13870	-.00940	-.01840	.01410	.06110	.85680	.37140	2.30670
.904	10.400	.92120	-.00580	-.16700	-.01540	-.02500	.01340	.06080	.84570	.36540	2.31400
.904	.040	.96010	-.00280	-.02180	.00110	-.00020	.02260	.06500	.87740	.39050	2.24690
GRADIENT		.00143	.00135	-.01559	.00043	-.00131	.00045	.00016	.00109	.00106	-.00345

M555 (PAS) NAR ATP CRB (01C101F1M1) (M1E1) (V1K1R1)

(R76308) (03 NOV 72)

REFERENCE DATA

SREF = 7.4190 SQ. IN. XMRP = 3.4530 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 BREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

ALPHA = 20.000 CONFIG = 3.000
 RUDDER = .000 RUOFLR = 10.000
 ELEVTR = .000 CBOELV = .000
 IBOELV = .000 AILRON = .000
 CBOAIL = .000 IBOAIL = .000

RUN NO. 80/ 0 RN/L = 6.68 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
1.199	-10.360	1.14460	-.14450	.11240	.01520	.03640	.04980	.05070	1.03240	.49660	2.07670
1.199	-8.360	1.14210	-.13480	.08660	.01250	.02780	.05120	.05440	1.02940	.49710	2.07080
1.199	-6.220	1.14400	-.12600	.05240	.01000	.01930	.05150	.05640	1.03090	.49860	2.06750
1.199	-4.120	1.14440	-.12220	.02040	.00810	.01240	.05230	.05700	1.03090	.49960	2.06350
1.199	-2.020	1.15440	-.12270	-.00680	.00340	.00550	.05320	.05870	1.03950	.50470	2.05960
1.199	.060	1.15910	-.12070	-.03560	.00490	.00050	.05440	.05990	1.04330	.50790	2.05380
1.199	2.160	1.15600	-.12220	-.06310	.00220	-.00220	.05280	.06030	1.04110	.50510	2.06120
1.199	4.240	1.16140	-.12070	-.06800	-.00070	-.00770	.05150	.05980	1.04660	.50820	2.06740
1.199	6.400	1.16010	-.12140	-.11650	-.00330	-.01580	.05080	.05750	1.04560	.50510	2.06990
1.199	8.490	1.16280	-.12330	-.14650	-.00560	-.02400	.04950	.05720	1.04860	.50510	2.07600
1.199	10.510	1.16210	-.12640	-.17370	-.00870	-.02990	.04840	.05600	1.04840	.50360	2.08170
1.199	.070	1.14970	-.12130	-.03580	.00420	.00080	.05390	.05890	1.03500	.50360	2.05510
	GRADIENT	.00170	.00017	-.01307	-.00100	-.00229	-.00010	.00034	.00158	.00065	.00045

RUN NO. 90/ 0 RN/L = 7.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
1.958	-10.460	.81270	-.11540	.12120	.01770	.02140	.04850	.02840	.73130	.35790	2.04320
1.958	-8.450	.82720	-.12010	.09410	.01460	.01800	.04830	.02900	.74450	.36380	2.04650
1.958	-6.300	.84200	-.12360	.06400	.01160	.01480	.04810	.02950	.75800	.36970	2.05000
1.958	-4.160	.84510	-.12350	.03100	.00950	.01110	.04810	.02930	.76080	.37100	2.05060
1.958	-2.060	.84940	-.12090	.00280	.00690	.00760	.04940	.02840	.76410	.37410	2.04250
1.958	.030	.84940	-.11860	-.02090	.00350	.00300	.05000	.02770	.76390	.37470	2.03850
1.958	2.160	.85620	-.11870	-.04400	-.00020	-.00280	.04950	.02760	.77030	.37710	2.04230
1.958	4.250	.85710	-.12070	-.06770	-.00370	-.00720	.04830	.02810	.77160	.37630	2.05040
1.958	6.420	.85650	-.12220	-.09670	-.00680	-.01160	.04740	.02910	.77150	.37510	2.05630
1.958	8.540	.86000	-.12210	-.12930	-.00940	-.01500	.04760	.02870	.77440	.37700	2.05360
1.958	10.540	.85580	-.11940	-.15630	-.01280	-.01820	.04800	.02840	.77050	.37570	2.05080
1.958	.040	.83790	-.11590	-.02100	.00300	.00250	.04940	.02770	.75360	.36930	2.04120
	GRADIENT	.00146	.00035	-.01161	-.00159	-.00223	.00002	-.00015	.00132	.00065	-.00003

M555 (PAS) MAR ATP CRB (BIC101F1M1) (M1E1) (V1K1R1)

(RP6306) (03 NOV 72)

REFERENCE DATA

SREF = 7.4190 SQ. IN. XMRP = 3.4530 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 BREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

ALPHA = 20.000 CONFIC = 3.000
 RUDDER = .000 RUDFLR = 10.000
 ELEVTR = .000 CBDELV = .000
 IBDELV = .000 AILRON = .000
 CBDAIL = .000 IBDAIL = .000

RUN NO. 26/ 0 RN/L = 4.11 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
2.990	-10.150	.61640	-.07620	.10410	.01530	.01590	.05250	.01470	.59420	.27500	2.01510
2.990	-8.200	.62390	-.07990	.07650	.01330	.01290	.05090	.01470	.56170	.27630	2.03280
2.990	-6.150	.62670	-.08260	.05310	.01110	.00970	.05000	.01470	.56650	.27720	2.04340
2.990	-4.060	.63260	-.08320	.03050	.00840	.00690	.04890	.01460	.57050	.27770	2.05400
2.990	-2.010	.63600	-.08400	.00840	.00510	.00410	.04890	.01450	.57360	.27890	2.05630
2.990	.010	.64020	-.08300	-.01420	.00170	.00140	.04870	.01410	.57750	.28040	2.05950
2.990	2.060	.64150	-.08330	-.03550	-.00130	-.00120	.04920	.01450	.57840	.28130	2.05630
2.990	4.130	.64410	-.08500	-.05790	-.00460	-.00410	.05020	.01400	.58060	.28320	2.04960
2.990	6.200	.64360	-.08230	-.08000	-.00770	-.00700	.05050	.01440	.58000	.28340	2.04660
2.990	8.210	.64470	-.08090	-.10460	-.01040	-.01030	.05150	.01470	.58070	.28470	2.03940
2.990	10.160	.64020	-.07890	-.12930	-.01280	-.01370	.05300	.01470	.57600	.28440	2.02510
GRADIENT		.00158	-.00014	-.01067	-.00158	-.00133	.00014	-.00007	.00122	.00065	-.00043

RUN NO. 25/ 0 RN/L = 4.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
4.959	-10.020	.48440	-.05350	.07020	.01470	.01180	.05300	.00340	.43270	.22400	1.93150
4.959	-8.100	.49200	-.05520	.05380	.01290	.01000	.05080	.00360	.44060	.22480	1.95980
4.959	-6.060	.49810	-.05720	.03570	.01000	.00810	.04850	.00380	.44720	.22470	1.99030
4.959	-4.030	.50260	-.05980	.01880	.00740	.00580	.04700	.00390	.45190	.22510	2.00710
4.959	-2.010	.50820	-.06000	.00350	.00470	.00360	.04540	.00390	.45760	.22560	2.02770
4.959	.000	.50950	-.05750	-.01110	.00200	.00130	.04640	.00260	.45840	.22710	2.01850
4.959	2.040	.51450	-.05770	-.02640	-.00120	-.00110	.04650	.00290	.46280	.22890	2.02150
4.959	4.050	.51200	-.05770	-.04160	-.00420	-.00390	.04700	.00330	.46060	.22860	2.01440
4.959	6.110	.51060	-.05870	-.05970	-.00740	-.00650	.04840	.00350	.45880	.22940	1.99980
4.959	8.110	.50770	-.05620	-.07440	-.00990	-.00850	.05020	.00380	.45540	.23000	1.97950
4.959	10.040	.50590	-.05640	-.09410	-.01210	-.01090	.05220	.00390	.45300	.23120	1.95910
GRADIENT		.00123	.00032	-.00746	-.00144	-.00119	.00005	-.00011	.00112	.00051	.00042

M555(PA3) WAR ATP CRB (BICIDIFIM1)(MIE1)(VIKIR1)

(R76307) (03 NOV 72)

REFERENCE DATA

SREF = 7.4190 80. IN. XMRP = 3.4530 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 SREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

ALPHA = 30.000 CONFIG = 3.000
 RUDDER = .000 RUOFLR = 10.000
 ELEVTR = .000 CBDELV = .000
 IBDELV = .000 AILRON = .000
 CBDAIL = .000 IBDAIL = .000

RUN NO. 192/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
.594	-10.120	1.13660	-.04750	.06490	.02360	.01910	-.02720	.06960	.97810	.58350	1.67620
.594	-8.170	1.16820	-.04880	.06980	.01630	.02000	-.02810	.07000	1.00330	.59900	1.67470
.594	-6.190	1.17820	-.04370	.05530	.01660	.01170	-.02370	.06910	1.00930	.60840	1.65870
.594	-4.100	1.17490	-.04000	.04070	.01390	.00210	-.02060	.06970	1.00470	.60930	1.64880
.594	-2.060	1.16390	-.03390	.01880	.01010	.00070	-.02220	.07240	1.01310	.61290	1.65270
.594	.000	1.17860	-.03030	-.00750	.00420	.00280	-.02050	.07210	1.00760	.61160	1.64740
.594	2.040	1.17510	-.03080	-.02340	-.00230	.00000	-.02310	.07460	1.00610	.60750	1.65610
.594	4.050	1.16150	-.03750	-.04860	-.00360	-.00410	-.02230	.07220	1.01120	.61160	1.65330
.594	6.140	1.16100	-.04450	-.06140	-.00730	-.01050	-.02750	.07410	1.01360	.60670	1.67060
.594	8.130	1.17050	-.04700	-.06750	-.01140	-.01810	-.03370	.08000	1.00820	.59540	1.69310
.594	10.110	1.13290	-.04280	-.07290	-.02070	-.02160	-.02900	.07590	.97420	.57890	1.66270
.594	.000	1.17970	-.03030	-.00570	.00470	.00090	-.01990	.07250	1.00830	.61270	1.64570
GRADIENT		.00021	.00040	-.01073	-.00232	-.00064	-.00021	.00035	.00029	-.00004	.00061

RUN NO. 27/ 0 RN/L = 4.11 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
2.990	-10.130	1.02420	-.12130	.06410	.01800	.02370	.04720	.01450	.84150	.58580	1.43630
2.990	-8.160	1.03180	-.12380	.06150	.01520	.02010	.04600	.01410	.84840	.58690	1.44050
2.990	-6.110	1.03610	-.12690	.03790	.01250	.01610	.04470	.01440	.85440	.59130	1.44500
2.990	-4.060	1.04430	-.13010	.01630	.00950	.01180	.04370	.01440	.86010	.59370	1.44860
2.990	-2.010	1.04830	-.13120	-.00390	.00570	.00750	.04310	.01450	.86390	.59530	1.45060
2.990	.020	1.05110	-.13110	-.02320	.00230	.00280	.04280	.01440	.86630	.59680	1.45160
2.990	2.070	1.05340	-.13220	-.04700	.00030	-.00290	.04310	.01450	.86810	.59830	1.45090
2.990	4.140	1.05590	-.13150	-.06690	-.00330	-.00770	.04330	.01450	.86990	.60000	1.44980
2.990	6.210	1.05640	-.12990	-.08590	-.00700	-.01200	.04400	.01450	.87010	.60080	1.44810
2.990	8.220	1.05230	-.12660	-.10740	-.01020	-.01610	.04490	.01470	.86610	.59930	1.44520
2.990	10.190	1.05060	-.12390	-.12950	-.01320	-.02030	.04570	.01470	.86420	.59910	1.44240
GRADIENT		.00136	-.00019	-.01023	-.00151	-.00241	-.00002	.00001	.00116	.00075	.00013

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N555 (PAB) NAR ATP ORB (SICIDIF1H1) (M1E1) (V1K1R1)

(R76307) (03 NOV 72)

REFERENCE DATA

BREF = 7.4190 SQ. IN. XMRP = 3.4530 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 SREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

ALPHA = 30.000 CONFIG = 3.000
 RUDDER = .000 RUOFLR = 10.000
 ELEVTR = .000 CDELY = .000
 IBDELV = .000 AILRON = .000
 CBOAIL = .000 IBDAIL = .000

RUN NO. 26/ 0 RN/L = 4.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CBL	CAP	CAB	CL	CD	L/D
4.959	-10.010	.87830	-.09560	.05280	.01340	.01990	.05310	.00230	.72020	.50550	1.42470
4.959	-8.080	.88620	-.09750	.03650	.01340	.01700	.05120	.00260	.72780	.50810	1.43250
4.959	-6.040	.89670	-.10060	.01900	.01070	.01350	.04920	.00310	.73780	.51190	1.44120
4.959	-4.020	.89790	-.09900	.00500	.00840	.00990	.04850	.00320	.73920	.51200	1.44360
4.959	-2.000	.90710	-.10150	-.01010	.00500	.00610	.04790	.00340	.74730	.51630	1.44720
4.959	.010	.90830	-.10020	-.02300	.00260	.00190	.04800	.00340	.74830	.51710	1.44680
4.959	2.030	.91290	-.10090	-.03640	-.00010	-.00220	.04810	.00360	.75210	.51970	1.44700
4.959	4.050	.91220	-.10080	-.05160	-.00330	-.00590	.04810	.00360	.75150	.51930	1.44710
4.959	6.120	.91150	-.09940	-.06450	-.00670	-.00960	.04840	.00360	.75070	.51920	1.44600
4.959	8.120	.90990	-.09910	-.08140	-.00930	-.01360	.04950	.00360	.74880	.51920	1.44200
4.959	10.040	.90440	-.09840	-.09710	-.01140	-.01700	.05090	.00370	.74340	.51750	1.43640
	GRADIENT	.00171	-.00016	-.00692	-.00141	-.00198	-.00003	.00005	.00146	.00089	.00034

M555(PAS) WAR ATP CRB (SIC1D1F1M1) (WIE1) (V1K1R1)

(R76308) (03 NOV 72)

REFERENCE DATA

BREF = 7.4180 SQ.IN. YMRP = 3.4530 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 BREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

ALPHA = 50.000 CONFIG = 3.000
 RUDDER = .000 RUOFLR = 10.000
 ELEVTR = .000 CBOELV = .000
 IBOELV = .000 AILRON = .000
 CBOAIL = .000 IBOAIL = .000

RUN NO. 193/ 0 RN/L = 4.18 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
2.990	.000	1.79820	-.19510	.01280	-.00260	.00070	.05140	.01340	1.07670	1.44050	.74740
2.990	-10.080	1.76570	-.18820	.07770	.01590	.02530	.03450	.01360	1.05490	1.41630	.74480
2.990	-8.150	1.77730	-.19250	.06260	.01270	.02070	.03280	.01370	1.06330	1.42480	.74630
2.990	-6.120	1.78710	-.19460	.04820	.00950	.01560	.03220	.01410	1.06950	1.43210	.74670
2.990	-4.070	1.79480	-.19500	.03570	.00600	.01070	.03160	.01390	1.07450	1.43790	.74730
2.990	-2.030	1.79910	-.19660	.02300	.00160	.00590	.03110	.01360	1.07760	1.44110	.74770
2.990	.000	1.80010	-.19630	.01210	-.00290	.00090	.03070	.01360	1.07840	1.44170	.74800
2.990	2.020	1.79720	-.19420	.00150	-.00650	-.00430	.03100	.01340	1.07840	1.43950	.74770
2.990	4.030	1.79170	-.19090	-.01060	-.01060	-.00940	.03130	.01330	1.07280	1.43530	.74740
2.990	6.110	1.78350	-.18650	-.02620	-.01430	-.01440	.03190	.01310	1.06750	1.42910	.74690
2.990	8.120	1.77570	-.18300	-.04010	-.01790	-.01970	.03230	.01290	1.06230	1.42320	.74640
GRADIENT		-.00040	.00052	-.00563	-.00204	-.00249	-.00003	-.00007	-.00023	-.00033	.00001

RUN NO. 194/ 0 RN/L = 4.92 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
4.959	-10.000	1.67880	-.19320	.06830	.01240	.02500	.04610	.00250	1.00660	1.34430	.74880
4.959	-8.080	1.68740	-.19560	.05660	.01020	.02020	.04520	.00280	1.01260	1.35050	.74980
4.959	-6.070	1.69730	-.19770	.04320	.00750	.01500	.04300	.00290	1.02040	1.35700	.75190
4.959	-4.030	1.70140	-.19990	.03210	.00410	.00980	.04190	.00300	1.02380	1.35960	.75300
4.959	-2.020	1.70640	-.19740	.02320	.00120	.00440	.04180	.00300	1.02690	1.36350	.75310
4.959	.000	1.70860	-.19620	.01150	-.00230	-.00110	.04080	.00290	1.02910	1.36480	.75400
4.959	2.010	1.70920	-.20040	-.00010	-.00540	-.00660	.04170	.00280	1.02870	1.36560	.75320
4.959	4.000	1.70660	-.19810	-.01010	-.00870	-.01180	.04190	.00290	1.02690	1.36370	.75300
4.959	6.080	1.69940	-.19670	-.02460	-.01150	-.01690	.04150	.00290	1.02280	1.35780	.75320
4.959	8.060	1.69200	-.19150	-.03700	-.01430	-.02170	.04130	.00280	1.01840	1.35180	.75330
4.959	10.000	1.68000	-.18010	-.05040	-.01690	-.02620	.04230	.00300	1.01020	1.34290	.75220
GRADIENT		.00066	.00003	-.00536	-.00160	-.00270	-.00001	-.00002	.00040	.00051	.00001

N335 (FAS) WAR ATP CRB (BICIDIFIMI) (WIEI) (VIKIRI)

(R76309) (03 NOV 72)

REFERENCE DATA

SREF = 7.4190 SQ.IN. XMRP = 3.4550 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 SREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

BETA = .000 CONFIG = 3.000
 RUDDER = .000 RUDDFLR = 10.000
 ELEVTR = 10.000 CBDELV = 10.000
 IBDLV = 10.000 AILRON = .000
 CBDAIL = .000 IBDAIL = .000

RUN NO. 167/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
.895	.830	.19950	-.08870	.02020	-.00080	.00050	.04540	.02530	.19680	.04830	4.21390
.895	2.800	.28900	-.09420	.01650	-.00040	.00020	.04370	.02310	.28650	.05780	4.95650
.895	4.900	.38510	-.10370	.01630	.00030	.00040	.03890	.02460	.38030	.07170	5.29880
.895	7.030	.48820	-.11820	.01330	.00020	.00100	.03360	.02480	.49030	.09440	5.19110
.895	9.130	.58410	-.12030	.01400	.00010	.00090	.03180	.02710	.57170	.12410	4.60400
.895	11.220	.67080	-.12460	.01060	.00000	.00110	.03120	.02930	.65190	.16110	4.04520
.895	13.310	.76170	-.12880	.00720	.00010	.00150	.02990	.03200	.73430	.20450	3.58940
.895	15.370	.82470	-.12040	.00650	-.00010	.00220	.02860	.03650	.78760	.24630	3.19730
.895	17.490	.89700	-.11490	.00460	-.00090	.00260	.02660	.04280	.84750	.29510	2.87140
.895	19.540	.94620	-.10770	.00280	-.00180	.00120	.02500	.05000	.88330	.34010	2.59660
.895	21.530	.97500	-.09310	.00200	-.00120	-.00150	.02290	.05770	.89860	.37920	2.36950
.895	11.220	.67180	-.12180	.00890	.00070	.00140	.03110	.02970	.65290	.16130	4.04690
GRADIENT		.04560	-.00369	-.00096	.00027	-.00002	-.00160	-.00017	.04460	.00576	.28972

RUN NO. 168/ 0 RN/L = 6.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
.905	.830	.12320	-.06110	.02340	-.00110	.00020	.06180	.03460	.12230	.06360	1.92180
.905	2.880	.22650	-.07480	.01970	-.00020	.00040	.06010	.03410	.22320	.07140	3.12290
.905	5.100	.36050	-.09490	.01660	.00000	.00110	.05790	.03360	.35400	.08980	3.94110
.905	7.340	.49420	-.11550	.01120	.00050	.00280	.05300	.03420	.48330	.11580	4.17300
.905	9.520	.60450	-.12460	.00810	.00030	.00260	.05380	.03950	.58720	.15320	3.83260
.905	11.710	.70060	-.13060	.00180	.00140	.00460	.05470	.04270	.67480	.19560	3.44530
.905	13.920	.81120	-.14130	-.00660	.00270	.00720	.05660	.04890	.77370	.25020	3.09210
.905	16.080	.90050	-.14260	-.01480	.00390	.00790	.05780	.05470	.84920	.30500	2.78370
.905	18.260	.97160	-.13000	-.00570	-.00040	.00200	.05750	.06230	.90460	.35910	2.51870
.905	20.380	1.01430	-.10620	.00260	-.00180	-.00410	.05590	.06890	.93130	.40570	2.29520
.905	22.400	1.05360	-.09150	-.00620	.00100	-.00120	.05190	.07070	.95420	.44970	2.12190
.905	11.730	.70900	-.13190	.00260	.00110	.00470	.05440	.04470	.67920	.19670	3.45200
GRADIENT		.05039	-.00668	-.00180	.00044	.00010	-.00083	-.00024	.04922	.00580	.58590

MS55 (PA3) NAR ATP ORB (BICIDIFIM) (MIE1) (VIRIR1)

(R76309) (03 NOV 72)

REFERENCE DATA

BREF = 7.4100 SQ. IN. XMRP = 3.4550 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 SREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

BETA = .000 CONFIG = 3.000
 RUDDER = .000 RUOFLR = 10.000
 ELEVTR = 10.000 OBDELV = 10.000
 IBDELV = 10.000 AILRON = .000
 OBDAIL = .000 IBDAIL = .000

RUN NO. 185/ 0 RN/L = 6.69 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
1.197	.890	.15190	-.06900	.01370	.00070	.00110	.09250	.04570	.15040	.09480	1.58560
1.197	3.030	.26280	-.10150	.01120	.00170	.00120	.09520	.04460	.27730	.11000	2.52040
1.197	9.280	.41900	-.13390	.00640	.00230	.00110	.09530	.04450	.40840	.13350	3.05930
1.197	7.960	.55420	-.16320	.00290	.00280	.00090	.09450	.04600	.53690	.16660	3.22200
1.197	9.620	.68610	-.19020	-.00170	.00370	.00100	.09420	.04970	.66200	.21020	3.14910
1.197	12.090	.82110	-.21310	-.00790	.00400	.00180	.09760	.05020	.78250	.26740	2.92540
1.197	14.340	.95640	-.22110	-.01120	.00430	.00090	.10060	.05360	.88230	.32950	2.67760
1.197	16.950	1.05140	-.22140	-.01470	.00400	.00430	.10100	.05660	.95980	.39070	2.45640
1.197	18.830	1.14080	-.22530	-.02000	.00510	.00360	.10440	.05770	1.04600	.46720	2.23890
1.197	21.040	1.22120	-.22120	-.02310	.00410	.00410	.10270	.06010	1.10290	.53440	2.06380
1.197	23.080	1.25640	-.20200	-.02240	.00410	.00230	.09650	.06450	1.11790	.58140	1.92250
1.197	12.090	.82530	-.21310	-.00750	.00410	.00200	.09730	.05090	.78660	.26820	2.93250
GRADIENT		.06117	-.01519	-.00117	.00047	.00005	.00126	-.00051	.05930	.00710	.43682

RUN NO. 145/ 0 RN/L = 6.80 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
1.956	.790	.08470	-.05330	.01480	.00070	.00000	.07740	.02620	.08360	.07860	1.06320
1.956	2.850	.16470	-.06760	.01250	.00110	-.00010	.07840	.02630	.16060	.08650	1.85570
1.956	5.050	.25350	-.08510	.00990	.00160	.00020	.08090	.02730	.24540	.10290	2.38360
1.956	7.250	.33490	-.10000	.00700	.00220	.00030	.08260	.02810	.32180	.12430	2.58900
1.956	9.420	.41360	-.11350	.00520	.00280	.00060	.08420	.02820	.39420	.15080	2.61280
1.956	11.610	.49540	-.12760	.00320	.00320	.00090	.08580	.02730	.46790	.18380	2.54550
1.956	13.800	.57970	-.14080	.00150	.00300	.00150	.08700	.02690	.54210	.22280	2.43300
1.956	15.980	.65400	-.14880	-.00140	.00310	.00190	.08580	.02750	.60500	.26260	2.30380
1.956	18.220	.73720	-.15940	-.00480	.00270	.00270	.08480	.02740	.67370	.31110	2.16510
1.956	20.350	.80640	-.16160	-.00710	.00320	.00300	.08330	.02680	.72710	.35850	2.02780
1.956	22.460	.86770	-.17180	-.01010	.00410	.00410	.08310	.02610	.78860	.41610	1.89510
1.956	11.590	.46620	-.12110	.00420	.00310	.00080	.08430	.02740	.45930	.18040	2.54570
GRADIENT		.03883	-.00694	-.00112	.00019	-.00005	.00049	.00005	.03738	.00383	.38471

M555 (FAS) NAR ATP CRB (SICIDIFIMI) (WIEI) (VIRIRI)

(R76309) (03 NOV 72)

REFERENCE DATA

BREF = 7.4190 SQ. IN. XMRP = 3.4530 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 SREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

BETA = .000 CONFIG = 3.000
 RUDDER = .000 RUDDLR = 10.000
 ELEVTR = 10.000 CBDELV = 10.000
 IBDELV = 10.000 AILRON = .000
 CBDAIL = .000 IBDAIL = .000

RUN NO. 137/ 0 RN/L = 4.11 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
2.990	.860	.02660	-.04320	.00870	.00130	-.00040	.07110	.01270	.02770	.07150	.38850
2.990	2.820	.08050	-.04910	.00830	.00140	-.00020	.07150	.01310	.07720	.07510	1.02770
2.990	4.720	.14050	-.05410	.00720	.00170	.00000	.07140	.01330	.13410	.08270	1.62150
2.990	6.780	.19780	-.06310	.00350	.00180	.00000	.07110	.01340	.18780	.09390	1.99870
2.990	8.860	.23970	-.07100	.00340	.00180	.00020	.07090	.01360	.24560	.11000	2.23150
2.990	10.930	.32370	-.07970	.00230	.00200	.00040	.07070	.01350	.30440	.13090	2.32570
2.990	13.040	.39330	-.08800	.00150	.00210	.00090	.07100	.01350	.36710	.15800	2.32360
2.990	15.100	.46360	-.09930	-.00180	.00230	.00090	.07130	.01340	.42900	.18970	2.26150
2.990	17.230	.54030	-.10970	-.00360	.00260	.00130	.07140	.01330	.49480	.22830	2.16710
2.990	19.300	.61640	-.12140	-.00680	.00360	.00120	.07200	.01340	.55800	.27180	2.05270
2.990	21.290	.69390	-.13220	-.00740	.00390	.00150	.07280	.01380	.62010	.31980	1.93850
GRADIENT		.02737	-.00268	-.00037	.00010	.00010	.00007	.00015	.02622	.00277	.30345

RUN NO. 138/ 0 RN/L = 4.84 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
4.959	.640	-.00810	-.03270	.00570	.00130	.00000	.06300	.00310	-.00890	.06290	-.14160
4.959	2.570	.03390	-.03800	.00570	.00120	-.00010	.06160	.00320	.03110	.06310	.49310
4.959	4.630	.07710	-.04120	.00500	.00140	.00020	.06170	.00330	.07180	.06780	1.06010
4.959	6.660	.12090	-.04860	.00270	.00150	.00000	.06110	.00350	.11300	.07470	1.51270
4.959	8.690	.17100	-.05430	.00100	.00190	.00020	.05960	.00360	.16010	.08470	1.88840
4.959	10.730	.22390	-.06030	.00030	.00190	.00040	.05870	.00350	.20910	.09940	2.10350
4.959	12.790	.28300	-.06680	-.00080	.00270	.00090	.05900	.00360	.26290	.12020	2.18600
4.959	14.810	.34010	-.07400	-.00200	.00270	.00100	.05920	.00370	.31360	.14420	2.17490
4.959	16.900	.40800	-.08480	-.00320	.00270	.00120	.05980	.00370	.37290	.17580	2.12060
4.959	18.950	.47720	-.09630	-.00600	.00330	.00140	.06130	.00380	.43140	.21300	2.02500
4.959	20.890	.54650	-.10710	-.00830	.00360	.00120	.06300	.00380	.48810	.25380	1.92280
GRADIENT		.02135	-.00212	-.00018	.00003	.00005	-.00032	.00005	.02022	.00124	.30089

M555 (PAS) WAR ATP CRB (SIC10IFIM1) (WIE1) (VIE1R1)

(R76310) (03 NOV 72)

REFERENCE DATA

BREF = 7.4190 SQ. IN. XMRP = 3.4530 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 SREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

BETA = .000 CONFIG = 3.000
 RUDDER = .000 RUOFLR = 10.000
 ELEVTR = 10.000 CROELV = 10.000
 ISDELV = 10.000 AILRON = .000
 CROAIL = .000 ISDAIL = .000

RUN NO. 188/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
.593	22.040	.96430	-.08530	-.01210	.00390	-.00260	.02260	.05760	.86530	.36290	2.31170
.593	23.970	.99160	-.07990	-.01260	.00460	-.00230	.02020	.06140	.89780	.42140	2.13010
.593	26.020	1.04210	-.06190	-.00460	.00300	-.00280	.01810	.06470	.92640	.47350	1.96050
.593	28.100	1.09130	-.06420	.00650	.00150	-.00640	.01660	.06760	.95460	.52870	1.80380
.593	30.150	1.15490	-.06600	.00210	.00760	-.00910	.01640	.07140	.98030	.59440	1.66590
.593	32.250	1.22880	-.10170	-.01660	.01190	-.00420	.01330	.07380	1.03230	.66660	1.54840
.593	34.310	1.31230	-.10050	-.02650	.01000	.00200	.01030	.07570	1.07800	.74840	1.44040
.593	36.360	1.37000	-.09710	-.02440	.00650	.00240	.00580	.07760	1.09970	.81700	1.34600
.593	38.490	1.43970	-.09900	-.02240	.00400	.00120	-.00020	.07920	1.12700	.89580	1.25790
.593	40.530	1.50160	-.10030	-.02320	.00560	-.00020	-.00550	.08120	1.14480	.97170	1.17610
.593	42.630	1.56260	-.10080	-.02310	.00600	.00020	-.01000	.08160	1.15820	1.04690	1.10420
.593	32.240	1.23660	-.10190	-.01630	.01200	-.00380	.01500	.07410	1.03970	.67370	1.54310
GRADIENT		.03061	-.00106	-.00111	.00013	.00028	-.00154	.00118	.01467	.03321	-.05772

RUN NO. 189/ 0 RN/L = 6.29 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
.902	22.920	1.04920	-.08690	-.01340	.00380	-.00260	.05390	.06730	.94530	.45840	2.06180
.902	24.940	1.11460	-.08570	-.01450	.00480	-.00100	.05140	.06920	.98890	.51670	1.91400
.902	27.070	1.17940	-.09090	-.02040	.00690	.00000	.05010	.07040	1.02730	.58140	1.76670
.902	29.190	1.25810	-.09990	-.02570	.00990	.00030	.04800	.07190	1.07480	.65570	1.63920
.902	31.390	1.34510	-.10060	-.03630	.01150	.00460	.04640	.07090	1.12390	.74040	1.51780
.902	33.550	1.42970	-.09830	-.04060	.01160	.00620	.04260	.07210	1.16790	.82590	1.41410
.902	35.690	1.50470	-.09380	-.03350	.00810	.00600	.03550	.07380	1.20130	.90680	1.32470
.902	37.810	1.55900	-.08470	-.01610	.00150	.00270	.02640	.07610	1.21540	.97680	1.24420
.902	39.940	1.60410	-.08140	-.00900	-.00040	-.00150	.01970	.07670	1.21700	1.04510	1.16450
.902	42.010	1.66170	-.08360	-.01400	.00140	-.00110	.01480	.07570	1.22450	1.12330	1.09010
.902	44.080	1.72370	-.08260	-.01910	.00210	-.00020	.01020	.07540	1.23100	1.20650	1.02030
.902	33.530	1.42740	-.09840	-.04110	.01170	.00840	.04140	.07230	1.16690	.82500	1.41780
GRADIENT		.03244	.00041	.00012	-.00027	.00007	-.00218	.00041	.01410	.03572	-.04622

M555 (FAS) MAR ATP CRB (B1C1D1F1H1) (M1E1) (V1K1R1)

(R76310) (03 NOV 72)

REFERENCE DATA

GREY = 7.4190 SQ. IN. XGRP = 3.4930 IN.
 LREF = 2.1020 IN. YGRP = .0000 IN.
 BREF = 4.0300 IN. ZGRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

BETA = .000 CONFIG = 3.000
 RUDDER = .000 RUOFLR = 10.000
 ELEVTR = 10.000 C6DELV = 10.000
 T8DELV = 10.000 AILRON = .000
 C8DAIL = .000 T8DAIL = .000

RUN NO. 136/ 0 RN/L = 4.11 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
2.990	21.830	.66830	-.13390	-.00800	.00410	.00110	.07160	.01390	.61230	.32250	1.89870
2.990	23.600	.76490	-.14500	-.01010	.00450	.00110	.07240	.01410	.67030	.37480	1.78820
2.990	25.920	.89030	-.15880	-.01380	.00540	.00120	.07330	.01430	.73270	.43770	1.67390
2.990	28.020	.93840	-.17060	-.01660	.00600	.00130	.07470	.01440	.79330	.50690	1.56490
2.990	30.130	1.02770	-.18440	-.01840	.00580	.00170	.07580	.01440	.85080	.58150	1.46300
2.990	32.230	1.12020	-.19790	-.01830	.00460	.00330	.07730	.01450	.90630	.66300	1.36690
2.990	34.370	1.21590	-.21010	-.01820	.00360	.00470	.07900	.01450	.95890	.75170	1.27360
2.990	36.460	1.30960	-.22450	-.02180	.00330	.00540	.08080	.01450	1.00520	.84330	1.19190
2.990	38.610	1.40640	-.23660	-.02710	.00520	.00470	.08230	.01460	1.04750	.94210	1.11180
2.990	40.700	1.49620	-.25090	-.03250	.00610	.00470	.08380	.01460	1.08110	1.04050	1.03890
2.990	42.700	1.58500	-.26230	-.03590	.00670	.00430	.08490	.01430	1.10710	1.13740	.97330
GRADIENT		.04334	-.00828	-.00121	.00005	.00023	.00067	.00002	.02420	.03935	-.04431

RUN NO. 135/ 0 RN/L = 4.79 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
4.959	21.420	.58460	-.10870	-.00950	.00350	.00110	.06440	.00320	.50210	.26610	1.88620
4.959	23.370	.63880	-.11820	-.01010	.00390	.00130	.06620	.00340	.56010	.31420	1.78240
4.959	25.440	.72010	-.13030	-.01250	.00440	.00150	.06900	.00350	.62060	.37180	1.66910
4.959	27.520	.80480	-.14350	-.01540	.00420	.00190	.07120	.00360	.68070	.43510	1.56450
4.959	29.560	.89060	-.15720	-.01720	.00390	.00230	.07460	.00370	.73780	.50440	1.46280
4.959	31.620	.97810	-.17080	-.01840	.00470	.00270	.07790	.00370	.79190	.57920	1.36720
4.959	33.660	1.06830	-.18710	-.02240	.00480	.00270	.08100	.00370	.84400	.65990	1.27880
4.959	35.740	1.15760	-.19930	-.02420	.00530	.00280	.08410	.00360	.89030	.74460	1.19560
4.959	37.870	1.25140	-.21440	-.02650	.00540	.00290	.08600	.00350	.93500	.83620	1.11810
4.959	39.890	1.33830	-.22960	-.03000	.00610	.00290	.08790	.00360	.97040	.92580	1.04820
4.959	41.870	1.42500	-.24310	-.03230	.00650	.00330	.08970	.00350	1.00130	1.01790	.98360
GRADIENT		.04233	-.00868	-.00114	.00013	.00011	.00131	.00001	.02478	.03702	-.04432

M555 (FAS) MAR ATP CRB (BICIDIFIMI) (WAEI) (VIKIRI)

(RT6311) (03 NOV 72)

REFERENCE DATA

GREY = 9.4190 IN. XMRP = 8.4530 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 GREY = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

BETA = .000 CONFIG = 3.000
 RUDDER = .000 RUOFLR = 10.000
 ELEVTR = -20.000 OBDLV = -20.000
 OBDLV = -20.000 AILRON = .000
 OBDAIL = .000 OBDAIL = .000

RUN NO. 42/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CSL	CAF	CAB	CL	CD	L/D
.997	.430	-.41090	.20930	.03540	-.00600	-.00110	.06580	.02650	-.41130	.06270	-6.55330
.997	2.420	-.32540	.20260	.03630	-.00560	-.00060	.06500	.02640	-.32780	.05120	-6.40110
.997	4.530	-.23440	.19520	.03280	-.00510	.00000	.06010	.02740	-.23840	.04130	-5.76040
.997	6.650	-.14390	.19120	.03300	-.00510	.00070	.05520	.02450	-.14930	.03810	-3.91030
.997	8.720	-.05660	.18660	.03120	-.00490	.00130	.04780	.02360	-.06320	.03670	-1.63470
.997	10.830	.04700	.17620	.02820	-.00510	.00110	.04160	.02260	.03640	.04970	.77260
.997	12.940	.15640	.16780	.02610	-.00460	.00110	.03540	.02310	.14450	.06960	2.07560
.997	15.030	.25710	.15950	.02090	-.00440	.00180	.02900	.02460	.24080	.09470	2.54180
.997	17.230	.37250	.15260	.02090	-.00470	.00220	.02200	.02650	.34930	.13130	2.65860
.997	19.290	.46890	.14360	.01700	-.00500	.00200	.01960	.02670	.43600	.17340	2.51430
.997	21.270	.54980	.13660	.01150	-.00380	.00100	.01470	.03260	.50700	.21320	2.37730
.997	10.840	.05250	.17810	.02900	-.00460	.00090	.04090	.02310	.04370	.05000	.87380
GRADIENT		.04305	-.00344	-.00064	.00022	.00027	-.00140	.00022	.04217	-.00521	.19450

RUN NO. 41/ 0 RN/L = 6.26 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CSL	CAF	CAB	CL	CD	L/D
.902	.290	-.41800	.24160	.03540	-.00720	-.00370	.09220	.04700	-.41850	.09000	-4.64510
.902	2.380	-.30600	.22590	.03330	-.00660	-.00360	.08880	.04490	-.30940	.07600	-4.06740
.902	4.600	-.18960	.21030	.03000	-.00590	-.00200	.08000	.04370	-.19540	.06450	-3.02670
.902	6.840	-.05230	.18820	.02740	-.00530	-.00110	.07000	.04180	-.06030	.06320	-.95290
.902	9.060	.09060	.16790	.02320	-.00450	.00000	.06150	.04150	.07980	.07510	1.06310
.902	11.290	.22480	.15270	.01710	-.00390	.00000	.05550	.04250	.20960	.09840	2.12820
.902	13.510	.35940	.13140	.00950	-.00290	.00060	.04950	.04190	.33790	.13210	2.35660
.902	15.730	.47790	.12270	-.00120	-.00090	.00130	.04610	.04550	.44750	.17400	2.57070
.902	17.940	.56240	.12680	.00090	-.00300	.00070	.04710	.04700	.52050	.21810	2.38660
.902	20.060	.62650	.14500	.00300	-.00360	-.00110	.05450	.04900	.56980	.26610	2.14080
.902	22.050	.66800	.15370	-.00230	-.00010	-.00070	.05010	.05510	.60040	.29720	2.01980
.902	11.300	.23020	.15020	.01670	-.00420	-.00020	.05450	.04150	.21510	.09860	2.18160
GRADIENT		.05299	-.00726	-.00126	.00030	.00040	-.00284	-.00076	.05176	-.00591	.37646

M399 (FAS) NAR ATP ORB (SICIDIFIMI) (WIEI) (VIRIRI)

(R76311) (03 NOV 72)

REFERENCE DATA

BREF = 7.4190 SQ. IN. YMRP = 3.4530 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 BREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

BETA = .000 CONFIG = 3.000
 RUDDER = .000 RUOFLR = 10.000
 ELEVTB = -20.000 OBOELV = -20.000
 IBOELV = -20.000 AILRON = .000
 OBOAIL = .000 IBOAIL = .000

RUN NO. 40/ 0 RN/L = 6.67 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
1.199	.400	-.31900	.22410	.02680	-.00580	.00000	.12760	.04410	-.31990	.12550	-2.54860
1.199	2.560	-.18040	.19330	.02780	-.00560	.00000	.12120	.04560	-.18570	.11300	-1.84240
1.199	4.890	-.03660	.15950	.02700	-.00520	-.00040	.11350	.04630	-.04630	.10990	-.42120
1.199	7.140	.11500	.12430	.02110	-.00380	-.00070	.10400	.04880	.10110	.11750	.86120
1.199	9.420	.26200	.09450	.01600	-.00260	-.00040	.09630	.05060	.24270	.13790	1.75900
1.199	11.700	.39880	.07270	.01280	-.00260	-.00060	.09160	.05200	.37190	.17060	2.17940
1.199	13.970	.53290	.04960	.00860	-.00250	.00090	.08830	.05170	.49580	.21440	2.31180
1.199	16.240	.66200	.03170	.00290	-.00160	.00180	.08610	.05200	.61150	.26780	2.28310
1.199	18.520	.77130	.02140	.00300	-.00270	.00090	.08150	.05420	.70550	.32240	2.18820
1.199	20.710	.86510	.01620	-.00310	-.00130	.00340	.07580	.05570	.78240	.37690	2.07550
1.199	22.610	.94490	.01600	-.00440	-.00110	.00160	.07320	.05440	.84250	.43390	1.94140
1.199	11.700	.40280	.06920	.01270	-.00270	-.00050	.09160	.05140	.37580	.17140	2.19210
GRADIENT		.06341	-.01452	-.00040	.00014	-.00009	-.00321	.00049	.06148	-.00348	.47862

RUN NO. 101/ 0 RN/L = 7.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
1.961	.610	-.09470	.06960	.01940	-.00190	-.00010	.09770	.01860	-.09580	.09670	-.99080
1.961	2.670	-.01460	.05550	.01750	-.00160	-.00070	.09210	.02000	-.01890	.09130	-.20720
1.961	4.860	.06720	.04270	.01510	-.00110	-.00080	.08910	.02110	.05940	.09450	.62850
1.961	7.060	.14990	.02860	.01290	-.00020	-.00080	.08350	.02300	.13850	.10130	1.36640
1.961	9.250	.23240	.01510	.01130	.00000	-.00070	.07860	.02470	.21670	.11490	1.88480
1.961	11.430	.31180	.00250	.00910	.00060	-.00030	.07340	.02690	.29100	.13370	2.17540
1.961	13.650	.39370	-.00780	.00810	.00060	-.00050	.06840	.02790	.36640	.15940	2.29880
1.961	15.810	.47310	-.01760	.00540	.00050	-.00040	.06430	.02780	.43770	.19090	2.29240
1.961	18.030	.54680	-.02080	.00300	.00050	-.00010	.06020	.02660	.50120	.22650	2.21240
1.961	20.240	.62800	-.02690	-.00080	.00100	.00080	.05670	.02610	.56960	.27060	2.10490
1.961	22.330	.70320	-.03230	-.00470	.00190	.00150	.05290	.02640	.63030	.31620	1.99330
1.961	11.440	.31530	.00260	.00980	.00040	-.00060	.07250	.02760	.29470	.13360	2.20460
GRADIENT		.03790	-.00634	-.00101	.00019	-.00016	-.00201	.00058	.03634	-.00049	.37921

M355 (PAS) NAR ATP ORB (BIC1D1F1M1) (WIE1) (V1K1R1)

(R76311) (03 NOV 72)

REFERENCE DATA

SREF = 7.4190 SQ. IN. XMRP = 3.4530 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 BREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

BETA = .000 CONFIG = 3.000
 RUDDER = .000 RUDDFLR = 10.000
 ELEVTR = -20.000 CBDELV = -20.000
 IBDELV = -20.000 AILRON = .000
 CBDAIL = .000 IBDAIL = .000

RUN NO. 116/ 0 RN/L = 4.14 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
2.990	.640	-.07030	.02860	.01140	-.00060	-.00160	.08350	.01090	-.07130	.08270	-.66220
2.990	2.560	-.01790	.02300	.00930	-.00050	-.00160	.07970	.01150	-.02150	.07890	-.27260
2.990	4.670	.03790	.01790	.00760	.00000	-.00130	.07630	.01200	.03150	.07910	.39870
2.990	6.740	.09450	.01370	.00770	.00010	-.00110	.07290	.01260	.08530	.08350	1.02150
2.990	8.810	.15420	.00760	.00590	.00000	-.00110	.06920	.01330	.14160	.09210	1.53920
2.990	10.690	.21570	.00390	.00560	.00010	-.00060	.06570	.01340	.19940	.10530	1.69290
2.990	12.990	.27850	-.00080	.00400	.00010	-.00030	.06220	.01340	.25740	.12320	2.08820
2.990	15.050	.34240	-.00590	.00160	.00020	-.00040	.05930	.01320	.31530	.14620	2.15570
2.990	17.200	.41090	-.00920	.00040	.00070	-.00030	.05650	.01310	.37580	.17550	2.14070
2.990	19.250	.47990	-.01330	-.00170	.00120	-.00030	.05380	.01330	.43530	.20900	2.08210
2.990	21.210	.54750	-.01620	-.00410	.00140	-.00040	.05100	.01360	.49190	.24570	2.00190
	GRADIENT	.02685	-.00265	-.00089	.00015	.00008	-.00178	.00027	.02551	-.00088	.31299

RUN NO. 115/ 0 RN/L = 4.87 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
4.959	.620	-.07910	.01510	.00660	-.00040	-.00160	.07350	.00280	-.07990	.07260	-1.10110
4.959	2.550	-.04070	.01230	.00710	.00010	-.00110	.06920	.00300	-.04370	.06730	-.64970
4.959	4.600	.00700	.00550	.00530	.00000	-.00080	.06520	.00310	.00180	.06560	.02750
4.959	6.640	.04680	.00270	.00410	.00060	-.00060	.06100	.00320	.04140	.06620	.62530
4.959	8.670	.09490	-.00070	.00230	.00080	-.00010	.05690	.00330	.08530	.07050	1.20830
4.959	10.710	.14480	-.00080	.00270	.00090	.00000	.05310	.00330	.13230	.07910	1.67300
4.959	12.770	.19530	-.00490	.00150	.00070	.00020	.05250	.00130	.17690	.09440	1.89450
4.959	14.790	.24710	-.00730	-.00020	.00070	.00050	.04980	.00240	.22620	.11130	2.03230
4.959	16.670	.30430	-.00900	-.00320	.00120	.00070	.04600	.00280	.27720	.13430	2.06370
4.959	18.900	.36250	-.00950	-.00390	.00140	.00080	.04680	.00300	.32780	.16160	2.02570
4.959	20.640	.42200	-.01180	-.00450	.00170	.00060	.04680	.00310	.37770	.19390	1.94770
	GRADIENT	.02165	-.00242	-.00033	.00010	.00020	-.00208	.00008	.02054	-.00175	.28405

MS55 (PA3) MAR ATP ORD (BICIDIFIM1) (MIE1) (VIXIR1)

(R76312) (03 NOV 72)

REFERENCE DATA

BREF * 7.4190 SQ. IN. XMRP * 3.4530 IN.
 LREF * 2.1020 IN. YMRP * .0000 IN.
 SREF * 4.0300 IN. ZMRP * .0000 IN.
 SCALE * .0040

PARAMETRIC DATA

BETA * .000 CONFIG * 3.000
 RUDDER * .000 RUDFLR * 10.000
 ELEVTR * -20.000 CBDELV * -20.000
 IBDDELV * -20.000 AILRON * .000
 CBDAIL * .000 IBDAIL * .000

RUN NO. 33/ 0 RN/L = 5.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
.595	21.640	.56690	.13140	-.00560	.00070	.00100	.01270	.03330	.52150	.22270	2.34160
.595	23.770	.62180	.12340	-.00690	.00320	-.00150	.00850	.03680	.56560	.25850	2.18780
.595	25.850	.67590	.11680	-.00480	.00200	.00010	.00640	.03880	.60340	.30050	2.01450
.595	27.900	.73110	.11200	.00450	.00010	-.00430	.00610	.04460	.64320	.34760	1.85040
.595	29.960	.79230	.09650	.00210	.00440	-.00770	.00110	.04830	.68580	.39670	1.72880
.595	32.040	.87800	.09040	-.01080	.00930	-.00450	-.00560	.05350	.74720	.46100	1.62070
.595	34.140	.98200	.08850	-.01590	.00690	.00130	-.00890	.05700	.79290	.52690	1.50480
.595	36.200	1.03230	.09130	-.01430	.00620	.00250	-.01720	.06010	.84310	.59560	1.41490
.595	38.320	1.09810	.09150	-.01320	.00590	.00150	-.02580	.06190	.87750	.66060	1.32830
.595	40.360	1.16300	.08930	-.01410	.00590	.00000	-.03530	.06500	.90890	.72630	1.25140
.595	42.320	1.21910	.08530	-.01160	.00640	-.00150	-.04340	.06620	.93060	.78860	1.17990
.595	32.040	.86060	.08980	-.01200	.00910	-.00420	-.00550	.05330	.74940	.46230	1.62010
GRADIENT		.03286	-.00219	-.00062	.00029	.00009	-.00268	.00170	.02090	.02824	-.05597

RUN NO. 34/ 0 RN/L = 6.31 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
.903	22.630	.67140	.15530	-.00720	.00150	-.00050	.05040	.05470	.60030	.30490	1.96840
.903	24.600	.72240	.15390	-.00660	.00200	-.00030	.04830	.05760	.63670	.34480	1.84660
.903	26.770	.80300	.14750	-.01040	.00390	.00000	.04960	.06000	.69440	.40610	1.70990
.903	28.910	.88270	.14340	-.01860	.00640	.00230	.04990	.05890	.74850	.47060	1.59030
.903	31.060	.95410	.14920	-.03220	.01020	.00850	.04500	.06300	.79390	.53100	1.49520
.903	33.220	1.03250	.14800	-.03530	.00870	.01060	.03890	.06540	.84240	.59820	1.40800
.903	35.350	1.10550	.14620	-.03480	.00610	.01180	.03140	.06680	.88340	.66540	1.32760
.903	37.460	1.15450	.15750	-.00920	-.00060	.00400	.02110	.06980	.90340	.71900	1.25650
.903	39.640	1.22130	.15830	.02890	-.00320	-.00820	.00780	.07220	.93540	.78520	1.19130
.903	41.720	1.29890	.14610	.03070	-.00050	-.00780	-.00900	.07190	.97410	.85630	1.13740
.903	43.760	1.37400	.12120	.03030	-.00200	-.00600	-.02470	.07210	1.00930	.93260	1.08220
.903	33.210	1.02850	.14810	-.03410	.00880	.01040	.03780	.06520	.83980	.59500	1.41120
GRADIENT		.03315	-.00060	.00201	-.00029	-.00032	-.00342	.00088	.01930	.02970	-.04126

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PAGE 39

M55 (FA3) WAR ATP ORB (B1C1D1F1H1) (M1E1) (V1K1R1)

(R76312) (03 NOV 72)

REFERENCE DATA

PARAMETRIC DATA

SREF = 7.4190 SQ. IN. WMRP = 3.4530 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 BREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

BETA = .000 CONFIG = 3.000
 RUDDER = .000 RUDDFLR = 10.000
 ELEVTR = -20.000 OSDELV = -20.000
 IBDELV = -20.000 AILRON = .000
 OSDBIL = .000 IBDBIL = .000

RUN NO. 117/ 0 RN/L = 4.13 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
2.990	21.770	.54170	-.01970	-.00440	.00140	-.00030	.05000	.01340	.48450	.24740	1.95810
2.990	23.740	.61020	-.02450	-.00620	.00180	-.00030	.04730	.01360	.53940	.26900	1.86620
2.990	25.650	.68430	-.02760	-.00870	.00260	-.00010	.04490	.01370	.59620	.33690	1.75920
2.990	27.970	.76310	-.03340	-.01180	.00330	-.00010	.04190	.01390	.65430	.39310	1.65390
2.990	30.060	.84160	-.03670	-.01270	.00330	.00040	.03950	.01380	.70860	.45360	1.55440
2.990	32.160	.92170	-.04100	-.01270	.00170	.00190	.03700	.01370	.76050	.52200	1.45690
2.990	34.290	1.00700	-.04410	-.01200	.00070	.00300	.03450	.01360	.81250	.59590	1.36350
2.990	36.370	1.08960	-.04670	-.01450	.00020	.00360	.03200	.01390	.85820	.67210	1.27690
2.990	38.520	1.17250	-.05180	-.02090	.00200	.00260	.02970	.01370	.89870	.75360	1.19250
2.990	40.590	1.25350	-.05360	-.02530	.00350	.00170	.02720	.01350	.93410	.83630	1.11680
2.990	42.610	1.32590	-.05660	-.02840	.00390	.00150	.02540	.01330	.95860	.91640	1.04600
GRADIENT		.03806	-.00178	-.00103	.00003	.00015	-.00119	-.00000	.02328	.03240	-.04426

RUN NO. 118/ 0 RN/L = 4.87 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
4.959	21.390	.44170	-.01150	-.00690	.00140	.00090	.04720	.00250	.39410	.20510	1.92140
4.959	23.340	.50510	-.01130	-.00700	.00170	.00140	.04630	.00290	.44540	.24260	1.83520
4.959	25.410	.57230	-.01620	-.01110	.00190	.00120	.04570	.00310	.49730	.28700	1.73280
4.959	27.460	.64110	-.01790	-.01120	.00220	.00160	.04620	.00310	.54750	.33680	1.62550
4.959	29.520	.71790	-.02220	-.01370	.00170	.00180	.04540	.00330	.60220	.39330	1.53120
4.959	31.580	.79370	-.02410	-.01500	.00200	.00190	.04500	.00330	.65250	.45410	1.43700
4.959	33.660	.87180	-.03020	-.01850	.00200	.00210	.04370	.00330	.70130	.51960	1.34960
4.959	35.700	.94940	-.03520	-.02030	.00240	.00190	.04250	.00320	.74610	.58850	1.26760
4.959	37.800	1.02960	-.04140	-.02320	.00270	.00180	.04150	.00320	.78800	.66390	1.18690
4.959	39.840	1.10650	-.04500	-.02390	.00320	.00170	.04020	.00310	.82370	.73980	1.11350
4.959	41.830	1.18280	-.04900	-.02580	.00310	.00200	.03780	.00310	.85390	.81710	1.04740
GRADIENT		.03652	-.00193	-.00098	.00008	.00004	-.00041	.00002	.02297	.03014	-.04333

M555 (FAS) WAR ATP ORS (B1C1D1F1M1) (WIE1) (V1K1R1)

(R76313) (03 NOV 72)

REFERENCE DATA

BREF = 7.4190 SQ. IN. XMRP = 3.4530 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 BREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

ALPHA = 20.000 CONFIG = 3.000
 RUDDER = .000 RUOFLR = 10.000
 ELEVTR = -20.000 CBDELV = -20.000
 IBDELV = -20.000 AILRON = .000
 CBDAIL = .000 IBDAIL = .000

RUN NO. 63/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
.097	-10.060	.59240	.11950	.12920	-.00480	.01620	-.00130	.03410	.55140	.21650	2.54670
.097	-8.130	.59200	.12420	.09800	-.00450	.01280	.00230	.03190	.54970	.21980	2.50050
.097	-6.060	.58810	.13030	.06790	-.00360	.00940	.00360	.03350	.54550	.21960	2.48390
.097	-4.020	.58670	.13690	.03670	-.00230	.00610	.00310	.03710	.54450	.21870	2.46900
.097	-2.000	.58270	.14170	.00370	-.00020	.00190	.00470	.03900	.54010	.21870	2.46930
.097	.020	.58970	.14660	-.02210	.00200	-.00100	.00840	.03770	.54520	.22480	2.42490
.097	2.050	.59480	.14500	-.04340	.00280	-.00280	.00940	.03540	.54950	.22770	2.41310
.097	4.060	.60110	.14360	-.06750	.00350	-.00390	.00760	.03430	.55600	.22840	2.43430
.097	6.130	.61000	.13700	-.09650	.00380	-.00660	.00390	.03420	.56570	.22830	2.47790
.097	8.160	.61130	.13290	-.12960	.00400	-.00990	.00250	.03120	.56740	.22740	2.49480
.097	10.140	.61220	.13060	-.15490	.00190	-.01250	.00160	.02940	.56860	.22690	2.50540
.097	.020	.59040	.14600	-.02210	.00210	-.00090	.00830	.03770	.54590	.22500	2.42570
GRADIENT		.00202	.00083	-.01264	.00072	-.00122	.00068	-.00046	.00160	.00141	-.00820

RUN NO. 64/ 0 RN/L = 6.29 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
.907	-10.350	.67010	.14110	.15170	.01110	.02070	.04550	.04840	.60260	.29670	2.03070
.907	-8.340	.66140	.14600	.11250	.00920	.01650	.04640	.04930	.61250	.30210	2.02700
.907	-6.190	.70500	.14570	.07330	.00260	.01320	.04620	.05270	.63420	.31150	2.03580
.907	-4.090	.70890	.14830	.04200	-.00040	.00830	.04890	.05280	.63670	.31560	2.01750
.907	-2.020	.70510	.15300	.01180	.00010	.00200	.05030	.05530	.63260	.31550	2.00470
.907	.040	.70100	.16000	-.01710	-.00010	-.00110	.05050	.05820	.62870	.31400	2.00200
.907	2.120	.70490	.16150	-.04840	-.00200	-.00320	.04990	.05750	.63250	.31510	2.00720
.907	4.190	.70970	.15800	-.07550	-.00290	-.00720	.04640	.05640	.63820	.31370	2.03430
.907	6.300	.70350	.15660	-.10610	-.00590	-.01380	.04390	.05450	.63360	.30880	2.05190
.907	8.420	.68210	.15690	-.13700	-.01300	-.01760	.04120	.05390	.61500	.29780	2.06310
.907	10.460	.68050	.15270	-.16860	-.02010	-.02270	.04520	.05240	.61200	.30070	2.03490
.907	.040	.69100	.16220	-.01900	-.00030	-.00150	.04870	.05740	.62040	.30830	2.01210
GRADIENT		.00007	.00135	-.01426	-.00034	-.00175	-.00027	.00045	.00014	-.00020	.00175

MS55 (PAS) WAR ATP CRB (SIC101F1M1) (WIE1) (V1K1R1)

(RT6313) (03 NOV 72)

REFERENCE DATA

BREF = 9.4190 SQ. IN. XMRP = 3.4530 IN.
 LREF = 8.1020 IN. YMRP = .0000 IN.
 SREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

ALPHA = 20.000 CONFIG = 3.000
 RUDDER = .000 RUOFLR = 10.000
 ELEVTR = -20.000 CBDELV = -20.000
 IBDELV = -20.000 AILRON = .000
 CBDAIL = .000 IBDAIL = .000

RUN NO. 85/ 0 RN/L = 6.68 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
1.196	-10.360	.93810	.00960	.13740	.00620	.02640	.06570	.05250	.83760	.42740	1.95970
1.196	-8.360	.93930	.01930	.10170	.00670	.02100	.06750	.05280	.83790	.42980	1.94950
1.196	-6.220	.94200	.01830	.05810	.00760	.01510	.06770	.05290	.84010	.43130	1.94780
1.196	-4.110	.95310	.02340	.02660	.00430	.01160	.06990	.05470	.84930	.43810	1.93870
1.196	-2.020	.95600	.02150	-.00100	.00320	.00470	.07040	.05410	.85170	.43990	1.93580
1.196	.070	.95960	.02510	-.03000	.00220	-.00070	.07170	.05510	.85450	.44270	1.93020
1.196	2.160	.96530	.02290	-.05640	.00020	-.00440	.06890	.05620	.86070	.44250	1.94480
1.196	4.260	.96690	.02200	-.08500	-.00200	-.01080	.06740	.05630	.86270	.44180	1.95270
1.196	6.400	.97480	.02250	-.11430	-.00460	-.01690	.06700	.05620	.87000	.44470	1.95640
1.196	8.500	.97210	.02040	-.14550	-.00760	-.02160	.06360	.05480	.86890	.44050	1.97270
1.196	10.520	.96890	.01830	-.17780	-.00910	-.02670	.06340	.05280	.86620	.43860	1.97360
1.196	.070	.95620	.02520	-.02920	.00190	-.00070	.06980	.05530	.85200	.43960	1.93810
GRADIENT		.00176	-.00007	-.01353	-.00075	-.00258	-.00031	.00025	.00171	.00048	.00177

RUN NO. 102/ 0 RN/L = 7.16 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
1.959	-10.460	.69360	-.03210	.12870	.01440	.01360	.04970	.02750	.62150	.31190	1.99220
1.959	-8.440	.70830	-.03730	.10060	.01180	.01120	.04800	.02810	.63560	.31630	2.00930
1.959	-6.300	.72470	-.04170	.06940	.00950	.00910	.04740	.02850	.65070	.32230	2.01860
1.959	-4.180	.73210	-.04110	.03690	.00730	.00690	.04710	.02820	.65760	.32530	2.02160
1.959	-2.040	.73470	-.03910	.00720	.00470	.00410	.04820	.02700	.65950	.32730	2.01490
1.959	.030	.74070	-.03770	-.01740	.00200	.00080	.04850	.02630	.66480	.33020	2.01300
1.959	2.160	.74160	-.03760	-.04090	-.00140	-.00320	.04740	.02670	.66600	.32960	2.02040
1.959	4.250	.74290	-.03760	-.06510	-.00440	-.00620	.04690	.02720	.66750	.32960	2.02490
1.959	6.410	.74350	-.03850	-.09530	-.00740	-.00960	.04590	.02850	.66830	.32890	2.03170
1.959	8.520	.74550	-.03660	-.12710	-.00990	-.01220	.04670	.02890	.66980	.33050	2.02670
1.959	10.540	.75950	-.03280	-.15540	-.01320	-.01440	.04800	.02720	.66390	.32940	2.01540
1.959	.040	.73650	-.03670	-.01790	.00190	.00040	.04770	.02660	.66130	.32770	2.01750
GRADIENT		.00135	.00040	-.01197	-.00140	-.00159	-.00006	-.00011	.00125	.00052	.00057

M555 (PAS) WAR ATP CRB (B1C101F1M1) (W1E1) (V1K1R1)

(R76313) (03 NOV 72)

REFERENCE DATA

BREF = 7.4190 SQ. IN. XMRP = 3.4530 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 SREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

ALPHA = 20.000 CONFIG = 3.000
 RUDDER = .000 RUDFLR = 10.000
 ELEVTR = -20.000 CBDELV = -20.000
 IBDELV = -20.000 AILRON = .000
 CBDAIL = .000 IBDAIL = .000

RUN NO. 120/ 0 RN/L = 4.13 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
2.990	-10.130	.53910	-.01710	.10800	.01350	.00980	.05230	.01430	.48250	.24610	1.96020
2.990	-8.200	.54370	-.02020	.08270	.01140	.00750	.05090	.01450	.48900	.24730	1.97720
2.990	-6.130	.55030	-.02110	.05840	.00940	.00510	.04960	.01450	.49380	.24780	1.99210
2.990	-4.060	.55520	-.02280	.03290	.00640	.00310	.04880	.01440	.49860	.24890	2.00260
2.990	-2.030	.55750	-.02280	.00950	.00370	.00140	.04800	.01410	.50110	.24910	2.01150
2.990	.010	.55990	-.02090	-.00950	.00060	.00000	.04810	.01370	.50330	.25010	2.01200
2.990	2.060	.56410	-.02250	-.03170	-.00270	-.00140	.04800	.01360	.50710	.25160	2.01570
2.990	4.090	.56600	-.02280	-.05350	-.00580	-.00300	.04810	.01410	.50890	.25230	2.01680
2.990	6.200	.56640	-.02220	-.07850	-.00860	-.00500	.04840	.01420	.50910	.25280	2.01360
2.990	8.230	.56420	-.02020	-.10060	-.01110	-.00730	.05000	.01440	.50650	.25340	1.99810
2.990	10.180	.56110	-.01880	-.12520	-.01330	-.00990	.05150	.01420	.50310	.25370	1.98290
GRADIENT		.00138	.00001	-.01047	-.00151	-.00073	-.00007	-.00004	.00130	.00048	.00160

RUN NO. 119/ 0 RN/L = 4.69 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
4.959	-10.000	.43380	-.00910	.07340	.01400	.00870	.05320	.00250	.38540	.20590	1.87180
4.959	-8.100	.44000	-.00960	.05640	.01220	.00790	.05020	.00290	.39230	.20540	1.90970
4.959	-6.080	.44490	-.01270	.03720	.00960	.00640	.04780	.00320	.39780	.20500	1.94030
4.959	-4.030	.44960	-.01310	.01910	.00710	.00430	.04560	.00350	.40290	.20460	1.96920
4.959	-2.010	.45180	-.01110	.00600	.00420	.00240	.04490	.00350	.40530	.20470	1.97900
4.959	.000	.45440	-.01390	-.01190	.00110	.00020	.04450	.00350	.40780	.20530	1.98560
4.959	2.050	.45490	-.01270	-.02610	-.00250	-.00200	.04450	.00360	.40820	.20560	1.98570
4.959	4.050	.45900	-.01240	-.04030	-.00560	-.00390	.04550	.00370	.41170	.20800	1.97890
4.959	6.110	.45940	-.01230	-.05620	-.00840	-.00580	.04720	.00380	.41140	.20970	1.96200
4.959	8.110	.45570	-.01050	-.07310	-.01110	-.00790	.04850	.00400	.40750	.20950	1.94460
4.959	10.060	.45370	-.01170	-.09230	-.01370	-.00930	.05020	.00380	.40510	.21050	1.92460
GRADIENT		.00108	-.00001	-.00746	-.00159	-.00103	-.00003	.00002	.00101	.00038	.00129

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MS55 (FAS) MAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

(R76314) (03 NOV 72)

REFERENCE DATA

BREF = 7.4190 80. IN. XMRP = 3.4530 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 BREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

BETA = .000 CONFIG = 3.000
 RUDDER = .000 RUDDFLR = 10.000
 ELEVTR = -40.000 CBDELV = -40.000
 IBDELV = -40.000 AILRON = .000
 CBDA1L = .000 IBDA1L = .000

RUN NO. 100/ 0 RN/L = 7.15 GRADIENT INTERVAL = -3.00/ 3.00

MACH	ALPHA	CN	CLM	CY	CYN	GBL	CAF	CAB	CL	CD	L/D
1.961	.370	-.22910	.11920	.02460	-.00370	-.00100	.16630	.02300	-.23020	.16470	-1.39700
1.961	2.440	-.15070	.10960	.02310	-.00420	-.00150	.16160	.02230	-.15750	.15530	-1.01400
1.961	4.660	-.05640	.08880	.01960	-.00340	-.00230	.14710	.02240	-.06820	.14210	-.48000
1.961	6.880	.03990	.07270	.01500	-.00260	-.00240	.13460	.02300	.02350	.13840	.16990
1.961	9.080	.12590	.06000	.01470	-.00250	-.00240	.12460	.02400	.10470	.14300	.73230
1.961	11.280	.21500	.04710	.01250	-.00200	-.00250	.11610	.02470	.18810	.15600	1.20580
1.961	13.510	.30490	.03490	.01140	-.00180	-.00200	.10610	.02570	.27160	.17450	1.55680
1.961	15.700	.39060	.02450	.00900	-.00170	-.00150	.09750	.02580	.34960	.19960	1.75130
1.961	17.940	.47420	.01550	.00510	-.00160	-.00140	.08740	.02620	.42420	.22930	1.84960
1.961	20.140	.55800	.00930	.00120	-.00110	-.00130	.07920	.02620	.49660	.26650	1.86330
1.961	22.260	.63670	.00220	-.00260	-.00030	-.00090	.07330	.02720	.56330	.30980	1.81810
1.961	11.290	.22190	.04670	.01220	-.00190	-.00240	.11350	.02500	.19540	.15460	1.26170
	GRADIENT	.04028	-.00711	-.00117	.00007	-.00030	-.00450	-.00014	.03779	-.00528	.21408

M555 (FAS) NAR ATP CR8 (BICIDIFIMI) (MIEI) (VIRIRI)

(R76315) (03 NOV 72)

REFERENCE DATA

BREF = 7.4180 SQ. IN. XMRP = 3.4530 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 SREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

BETA = .000 CONFIG = 3.000
 RUDDER = .000 RUDDFLR = 10.000
 ELEVTR = -40.000 CBDELV = -40.000
 BDDELV = -40.000 AILRON = .000
 CBDAIL = .000 BDAIL = .000

RUN NO. 191/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
.893	21.780	.91100	.15810	-.01290	.00060	.00210	.06340	.04620	.45100	.24850	1.81490
.893	23.780	.99860	.14690	-.02100	.00510	.00410	.05060	.04490	.52730	.28760	1.83340
.893	25.840	.86560	.12880	-.02220	.00840	.00490	.03420	.04570	.60210	.32970	1.82600
.893	27.930	.76350	.10830	-.01990	.01010	.00230	.01700	.03090	.66650	.37270	1.78810
.893	29.990	.63650	.09960	-.01940	.01300	-.00150	.00680	.05820	.72100	.42410	1.70000
.893	32.040	.46810	.11010	-.02470	.01010	-.00510	.02060	.05580	.72490	.47800	1.51620
.893	34.110	.31550	.12420	-.02400	.00930	-.00070	.03200	.05840	.74000	.53990	1.37030
.893	36.160	.19720	.13690	-.02160	.00430	.00180	.03410	.06210	.76710	.60300	1.27210
.893	38.280	1.03150	.14750	-.01930	.00260	.00120	.03030	.06350	.79090	.66290	1.19310
.893	40.320	1.08730	.15290	-.02230	.00280	.00050	.02640	.06430	.81200	.72390	1.12150
.893	42.320	1.14320	.15670	-.02460	.00370	-.00030	.02020	.06570	.83160	.78470	1.05960
.893	32.040	.86680	.11210	-.02260	.01080	-.00460	.01960	.05670	.72430	.47660	1.31950
GRADIENT		.02934	.00068	-.00028	-.00012	-.00017	-.00117	.00111	.01687	.02646	-.04359

RUN NO. 190/ 0 RN/L = 6.29 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
.901	22.640	.68300	.14530	-.02260	.00730	.00550	.06470	.05910	.60550	.32270	1.87610
.901	24.650	.78430	.13520	-.01860	.00890	.00410	.05390	.06030	.67210	.36780	1.82690
.901	26.780	.84920	.12360	-.01860	.01150	.00110	.04330	.06290	.73860	.42130	1.75300
.901	28.970	.93850	.11270	-.02410	.01150	.00090	.03690	.06440	.80300	.48700	1.64890
.901	31.120	1.00460	.12180	-.03500	.01010	.00600	.03810	.06330	.84020	.55200	1.52210
.901	33.250	1.06450	.13270	-.03100	.00590	.00690	.03800	.06710	.86930	.61550	1.41230
.901	35.360	1.11550	.14520	-.01790	-.00170	.00250	.03940	.06860	.88680	.67780	1.30820
.901	37.430	1.15650	.15960	-.00370	-.00650	-.00310	.03620	.07020	.89620	.73180	1.22450
.901	39.620	1.21780	.16250	.00520	-.00330	-.00560	.02580	.07040	.92150	.79650	1.15690
.901	41.690	1.27630	.16320	.00360	-.00120	-.00500	.01820	.06890	.94080	.86260	1.09070
.901	43.740	1.32460	.16600	.00320	.00140	-.00350	.01500	.06790	.94640	.92680	1.02120
.901	33.230	1.06250	.13250	-.03260	.00640	.00690	.03770	.06670	.86800	.61380	1.41400
GRADIENT		.02962	.00197	.00149	-.00070	-.00048	-.00190	.00030	.01528	.02889	-.04318

M555 (FAS) HAR ATP ORB (B1C101F1M1) (W1E1) (V1K1R1)

(R76315) (03 NOV 72)

REFERENCE DATA

SREF = 7.4190 SQ. IN. XMRP = 3.4530 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 SREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

BETA = .000 CONFIG = 3.000
 RUDDER = .000 RUOFLR = 10.000
 ELEVTR = -40.000 OBDELV = -40.000
 ISDELV = -40.000 AILRON = .000
 OBDAIL = .000 ISDAIL = .000

RUN NO. 125/ 0 RN/L = 4.12 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
2.990	21.740	.49250	.00910	-.00350	.00070	-.00150	.07360	.01340	.43020	.25080	1.71490
2.990	23.710	.96180	.00640	-.00460	.00130	-.00120	.07030	.01350	.48610	.29030	1.67420
2.990	25.630	.63690	.00330	-.00710	.00170	-.00090	.06640	.01360	.54610	.33820	1.61440
2.990	27.930	.71360	-.00140	-.00990	.00220	-.00080	.06210	.01380	.60130	.38910	1.54530
2.990	30.030	.79060	-.00290	-.01120	.00210	-.00010	.05850	.01400	.65520	.44630	1.46780
2.990	32.130	.86970	-.00660	-.01050	.00070	.00120	.05490	.01400	.70720	.50920	1.38880
2.990	34.260	.95260	-.00900	-.01110	.00000	.00230	.05130	.01380	.75830	.57870	1.31020
2.990	36.340	1.03080	-.01090	-.01240	-.00050	.00310	.04860	.01360	.80140	.65010	1.23250
2.990	38.490	1.11440	-.01180	-.01910	.00160	.00210	.04520	.01360	.84400	.72910	1.15750
2.990	40.570	1.18920	-.01390	-.02420	.00260	.00200	.04300	.01350	.87520	.80620	1.08550
2.990	42.590	1.26140	-.01150	-.02640	.00320	.00160	.04110	.01360	.90070	.88410	1.01870
GRADIENT		.03718	-.00110	-.00101	.00004	.00021	-.00160	.00000	.02300	.03059	-.03464

RUN NO. 126/ 0 RN/L = 4.64 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
4.959	21.400	.40720	.01280	-.00520	.00110	.00040	.06450	.00320	.35550	.20870	1.70360
4.959	23.330	.47040	.01030	-.00770	.00090	.00030	.06220	.00340	.40730	.24340	1.67320
4.959	25.400	.53710	.00820	-.01000	.00140	.00040	.06040	.00340	.45920	.28490	1.61150
4.959	27.450	.60770	.00650	-.01030	.00090	.00110	.05940	.00350	.51180	.33300	1.53710
4.959	29.510	.67930	.00560	-.01160	.00120	.00140	.05810	.00350	.56270	.38530	1.46030
4.959	31.560	.75210	.00020	-.01450	.00130	.00130	.05690	.00350	.61090	.44230	1.38130
4.959	33.630	.83190	-.00070	-.01470	.00150	.00130	.05610	.00350	.66160	.50750	1.30340
4.959	35.690	.90690	-.00380	-.01760	.00190	.00130	.05520	.00340	.70440	.57400	1.22710
4.959	37.780	.98390	-.00920	-.02170	.00190	.00130	.05300	.00340	.74500	.64480	1.15540
4.959	39.820	1.05760	-.01110	-.02470	.00210	.00140	.05120	.00350	.77940	.71670	1.08750
4.959	41.790	1.12820	-.01330	-.02610	.00210	.00220	.04930	.00360	.80820	.78880	1.02460
GRADIENT		.03565	-.00131	-.00100	.00006	.00007	-.00068	.00001	.02257	.02871	-.03494

M355 (FAS) NAR ATP ORB (BICIDIFIM1) (WIE1) (VIRIR1)

(R76316) (03 NOV 72)

REFERENCE DATA

BREF = 7.4190 SQ. IN. XMRP = 3.4530 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 BREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

BETA = .000 CONFIG = 3.000
 RUDDER = .000 RUDFLR = 10.000
 ELEVTR = -40.000 CBDELV = -40.000
 IBDELV = -40.000 AILRON = .000
 CBDAIL = .000 IBDAIL = .000

RUN NO. 196/ 0 RN/L = 4.16 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
2.990	42.020	1.22140	-.00890	.00500	-.00120	-.00110	.04130	.01180	.87960	.84840	1.03670
2.990	43.960	1.28950	-.00830	.00650	-.00160	-.00130	.04060	.01190	.89990	.92450	.97340
2.990	46.020	1.35570	-.00540	.00700	-.00150	-.00180	.03990	.01210	.91250	1.00340	.90930
2.990	48.100	1.41650	-.00060	.00650	-.00160	-.00220	.03900	.01230	.91670	1.08050	.84840
2.990	50.160	1.47140	.00630	.00620	-.00180	-.00200	.03800	.01230	.91330	1.15420	.79120
2.990	52.210	1.52020	.01310	.00980	-.00190	-.00250	.03650	.01250	.90250	1.22390	.73740
2.990	54.260	1.56250	.02020	.00990	-.00170	-.00240	.03450	.01260	.88460	1.28650	.68650
2.990	56.280	1.59930	.02510	.00910	-.00190	-.00250	.03130	.01260	.86170	1.34760	.63940
2.990	58.350	1.63560	.02630	.00900	-.00220	-.00250	.02710	.01250	.83490	1.40660	.59350
2.990	60.370	1.67410	.03040	.01030	-.00200	-.00250	.02160	.01220	.80870	1.46590	.55160
2.990	62.320	1.70800	.02830	.00990	-.00210	-.00260	.01610	.01190	.77910	1.52000	.51250
GRADIENT		.02346	.00226	.00023	-.00004	-.00007	-.00115	.00002	-.00551	.03296	-.02573

RUN NO. 195/ 0 RN/L = 4.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
4.959	41.920	1.11030	-.01420	.00730	-.00140	-.00110	.05010	.00230	.79800	.77360	1.03160
4.959	43.440	1.18350	-.01430	.00830	-.00120	-.00140	.04910	.00250	.82550	.84940	.97180
4.959	45.470	1.25490	-.01640	.00920	-.00150	-.00130	.04770	.00260	.84580	.92620	.91120
4.959	47.530	1.32560	-.01690	.01020	-.00160	-.00160	.04650	.00260	.86070	1.00930	.85270
4.959	49.560	1.39000	-.01830	.00890	-.00190	-.00200	.04460	.00250	.86740	1.08700	.79800
4.959	51.600	1.44830	-.01500	.00880	-.00180	-.00240	.04370	.00240	.86530	1.16220	.74450
4.959	53.630	1.50230	-.00960	.01030	-.00200	-.00240	.04230	.00210	.85670	1.23490	.69370
4.959	55.640	1.55000	-.00460	.01180	-.00180	-.00200	.04070	.00180	.84110	1.30250	.64570
4.959	57.700	1.59220	.00140	.01170	-.00190	-.00210	.03800	.00160	.81840	1.36630	.59890
4.959	59.710	1.62780	.00590	.01150	-.00180	-.00200	.03490	.00130	.79090	1.42320	.55570
4.959	61.640	1.66160	.00740	.01090	-.00200	-.00220	.02990	.00080	.76270	1.47650	.51650
GRADIENT		.02743	.00124	.00019	-.00003	-.00003	-.00090	-.00008	-.00200	.03530	-.02558

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MS55 (FAS) NAR ATP ORB (BICIDIFIM1) (WIE1) (V1K1R1)

(R76317) (03 NOV 72)

REFERENCE DATA

SREF = 7.4190 50 IN. XMRP = 3.4530 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 SREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

BETA = .000 CONFIG = 3.000
 RUDDER = .000 RUDDFLR = 10.000
 ELEVTR = .000 CBDELV = -20.000
 IBDDELV = .000 AILRON = .000
 CBDAIL = .000 IBDAIL = .000

RUN NO. 37/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
.898	.850	-.22680	.12360	.03140	-.00470	.00080	.04730	.02550	-.22720	.04510	-3.03660
.898	2.540	-.13560	.11440	.02960	-.00400	.00130	.04650	.02480	-.13750	.04040	-3.40010
.898	4.660	-.03830	.10710	.02840	-.00380	.00130	.04240	.02480	-.04160	.03910	-1.06500
.898	6.760	.05990	.09720	.02480	-.00330	.00100	.03550	.02370	.05530	.04230	1.30700
.898	8.880	.17300	.08420	.02280	-.00310	.00070	.02790	.02440	.16660	.03420	3.06990
.898	10.990	.28900	.06970	.02140	-.00290	.00170	.02020	.02610	.27980	.07300	3.73170
.898	13.100	.39600	.05990	.02000	-.00260	.00220	.01440	.02670	.38240	.10380	3.68100
.898	15.210	.50060	.04870	.01610	-.00260	.00310	.00840	.02970	.48080	.13950	3.44590
.898	17.360	.60620	.03590	.01350	-.00310	.00340	.00360	.03310	.57750	.18440	3.13170
.898	19.440	.70410	.03140	.01460	-.00420	.00230	-.00250	.04020	.66470	.23200	2.86480
.898	21.410	.78570	.03350	.01100	-.00350	.00050	-.00460	.04560	.71450	.27520	2.59590
.898	11.000	.29420	.07130	.02210	-.00310	.00090	.02050	.02560	.28490	.07630	3.73000
GRADIENT		.04586	-.00401	-.00073	.00022	.00012	-.00120	-.00022	.04516	-.00145	.96780

RUN NO. 38/ 0 RN/L = 6.28 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
.898	.460	-.24370	.14760	.03370	-.00540	-.00070	.06800	.02980	-.24430	.06600	-3.70130
.898	2.550	-.13060	.13030	.03110	-.00470	-.00040	.06290	.02850	-.13330	.05700	-2.33630
.898	4.780	-.00790	.11500	.02710	-.00430	-.00020	.05360	.02890	-.01240	.05270	-.23550
.898	7.010	.13610	.08910	.02330	-.00370	.00000	.04400	.02850	.12970	.06030	2.13110
.898	9.240	.27000	.06890	.01850	-.00310	.00110	.03890	.02870	.26030	.03180	3.18100
.898	11.440	.39300	.05530	.01370	-.00210	.00260	.03300	.03080	.37870	.11040	3.42810
.898	13.660	.50600	.04510	.00900	-.00170	.00430	.03260	.03340	.48390	.15130	3.19840
.898	15.820	.58810	.04770	.00260	-.00110	.00420	.03430	.04070	.55630	.19340	2.87730
.898	18.010	.67270	.04850	.00500	-.00400	.00070	.03450	.04460	.62910	.24090	2.61050
.898	20.150	.74220	.06050	.01290	-.00320	-.00840	.03530	.05370	.68450	.28890	2.36940
.898	22.130	.78700	.06830	.00550	-.00130	-.00390	.03240	.05790	.71680	.32660	2.19470
.898	11.440	.39260	.05600	.01510	-.00270	.00200	.03270	.03000	.37830	.10990	3.44120
GRADIENT		.05439	-.00754	-.00153	.00025	.00012	-.00334	-.00020	.05369	-.00307	.80363

M335 (FAS) HAR ATP ORB (BICIDIFIM1) (WIE1) (V1K1R1)

(R76317) (03 NOV 72)

REFERENCE DATA

SREF = 7.4190 SQ. IN. YMRP = 3.4530 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 SREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

BETA = .000 CONFIG = 3.000
 RUDDER = .000 RUOFLR = 10.000
 ELEVTR = .000 CBDELV = -20.000
 IBDELV = .000 AILRON = .000
 CBDAIL = .000 IBDAIL = .000

RUN NO. 39/ 0 RN/L = 6.70 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
1.203	.630	-.13810	.12940	.02750	-.00470	.00030	.09230	.04120	-.13910	.09080	-1.53210
1.203	2.770	-.00730	.09780	.02420	-.00380	.00080	.08820	.04160	-.01160	.08780	-.13230
1.203	5.040	.13830	.06270	.02140	-.00320	.00050	.08020	.04400	.13070	.09210	1.41850
1.203	7.340	.27920	.02580	.01630	-.00200	.00040	.07110	.04730	.26780	.10620	2.32140
1.203	9.590	.42280	-.00400	.01430	-.00180	-.00030	.06850	.04480	.40550	.13800	2.93680
1.203	11.860	.55610	-.02890	.00840	-.00010	.00020	.06680	.04490	.53050	.17970	2.95090
1.203	14.130	.67990	-.04560	.00160	.00020	.00030	.06570	.04860	.64320	.22980	2.79910
1.203	16.360	.79530	-.06150	-.00190	.00120	.00190	.06520	.05040	.74470	.28660	2.59830
1.203	18.620	.89060	-.06070	-.00340	.00000	.00150	.06490	.05710	.82320	.34600	2.37920
1.203	20.610	.96010	-.06390	-.00470	-.00100	.00010	.06100	.05750	.89440	.40530	2.20630
1.203	22.880	1.03530	-.05760	-.00890	.00080	.00110	.05750	.05930	.93150	.45560	2.04440
1.203	11.860	.55940	-.02920	.00700	-.00030	.00000	.06680	.04480	.53370	.18050	2.95660
GRADIENT		.06112	-.01477	-.00154	.00042	.00023	-.00192	.00019	.05958	-.00140	.65411

RUN NO. 103/ 0 RN/L = 7.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
1.963	.680	-.03660	.03230	.01850	-.00140	-.00010	.08170	.02350	-.03750	.08130	-.46220
1.963	2.730	.04150	.01820	.01690	-.00090	-.00050	.07870	.02450	.03770	.08060	.46840
1.963	4.940	.12770	.00360	.01470	-.00060	-.00090	.07710	.02280	.12060	.08790	1.37230
1.963	7.150	.20930	-.00980	.01210	.00010	-.00070	.07270	.02540	.19860	.09820	2.02260
1.963	9.310	.28890	-.02300	.01010	.00060	-.00060	.07060	.02540	.27370	.11650	2.34910
1.963	11.490	.36670	-.03400	.00810	.00100	-.00050	.06830	.02520	.34370	.14000	2.46920
1.963	13.670	.44370	-.04300	.00610	.00130	-.00020	.06600	.02540	.41550	.16900	2.45810
1.963	15.890	.52590	-.05290	.00420	.00100	.00010	.06290	.02630	.48850	.20460	2.38760
1.963	18.070	.59050	-.05280	.00130	.00110	.00080	.05930	.02620	.54290	.23950	2.26680
1.963	20.250	.67070	-.05970	-.00230	.00170	.00140	.05550	.02660	.61000	.28430	2.14360
1.963	22.360	.74500	-.06540	-.00620	.00290	.00280	.05200	.02740	.66920	.33160	2.01800
1.963	11.460	.36340	-.03070	.00870	.00110	-.00030	.06810	.02520	.34250	.13910	2.46240
GRADIENT		.03657	-.00674	-.00089	.00019	-.00019	-.00108	-.00017	.03712	.00157	.43035

M555 (FAS) NAR ATP CR6 (BIC10(FIM1) (MIE1) (VIRIR1)

(R76317) (03 NOV 72)

REFERENCE DATA

BREF = 7.4180 SQ. IN. XMRP = 3.4530 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 BREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

BETA = .000 CONFIG = 3.000
 RUDDER = .000 RUDFLR = 10.000
 ELEVTR = .000 CBDELV = -20.000
 IBDLV = .000 AILRON = .000
 CBDAIL = .000 IBDAIL = .000

RUN NO. 121/ 0 RN/L = 4.13 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
2.990	.850	-.04470	.00940	.01080	.00020	-.00150	.07850	.01240	-.04560	.07600	-.60000
2.990	2.390	.00660	.00460	.00970	.00020	-.00140	.07410	.01280	.00320	.07440	.04410
2.990	4.620	.08020	.00080	.00930	.00040	-.00110	.07150	.01310	.05420	.07610	.71220
2.990	6.770	.11920	-.00330	.00810	.00070	-.00080	.06910	.01310	.11030	.08270	1.33370
2.990	8.820	.17660	-.00880	.00630	.00080	-.00070	.06610	.01320	.16430	.09240	1.77710
2.990	10.900	.23600	-.01350	.00320	.00060	-.00050	.06330	.01330	.21980	.10680	2.03770
2.990	13.000	.30010	-.01800	.00410	.00070	.00000	.06070	.01330	.27680	.12670	2.20000
2.990	15.060	.36350	-.02230	.00260	.00090	.00020	.05810	.01330	.33590	.15060	2.23040
2.990	17.190	.43460	-.02860	.00030	.00130	.00040	.05620	.01320	.39880	.18220	2.18810
2.990	19.260	.50940	-.03450	-.00220	.00200	.00020	.05360	.01340	.45940	.21740	2.11340
2.990	21.260	.57600	-.04040	-.00360	.00220	.00030	.05140	.01360	.51810	.25680	2.01710
	GRADIENT	.02642	-.00216	-.00038	.00005	.00010	-.00126	.00018	.02514	.00003	.33052

RUN NO. 122/ 0 RN/L = 4.86 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
4.959	.850	-.06410	.00840	.00780	.00030	-.00120	.07160	.00300	-.06490	.07090	-.91610
4.959	2.560	-.02590	.00390	.00660	.00020	-.00080	.06670	.00320	-.02880	.06350	-.44070
4.959	4.610	.01750	-.00160	.00340	.00030	-.00050	.06390	.00340	.01230	.06520	.18950
4.959	6.640	.06030	-.00270	.00470	.00090	.00010	.06080	.00350	.05260	.06740	.78420
4.959	8.680	.10760	-.00530	.00400	.00130	.00020	.05650	.00350	.09780	.07210	1.35560
4.959	10.710	.15670	-.00880	.00280	.00120	.00030	.05350	.00360	.14400	.08170	1.76270
4.959	12.750	.20740	-.01350	.00040	.00110	.00080	.05090	.00360	.19100	.09540	2.00100
4.959	14.790	.26110	-.01460	.00140	.00140	.00110	.04890	.00370	.23990	.11400	2.10470
4.959	16.880	.32040	-.02040	-.00260	.00140	.00110	.04750	.00370	.29280	.13850	2.11400
4.959	18.900	.37870	-.02400	-.00440	.00180	.00130	.04660	.00370	.34320	.16660	2.05690
4.959	20.890	.44120	-.02750	-.00560	.00180	.00150	.04560	.00380	.39580	.20010	1.97780
	GRADIENT	.02061	-.00253	-.00061	.00000	.00018	-.00194	.00010	.01950	-.00142	.27954

MS55 (PAS) NAR ATP ORB (B1C1D1F1M1) (M1E1) (V1K1R1)

(R76318) (03 NOV 72)

REFERENCE DATA

SREF = 7.4190 SQ. IN. XMRP = 3.4530 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 BREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

BETA = .000 CONFIG = 3.000
 RUDDER = .000 RUDFLR = 10.000
 ELEVTR = .000 CBDELV = -20.000
 IBDELV = .000 AILRON = .000
 CBDAIL = .000 IBDAIL = .000

RUN NO. 36/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
.994	21.950	.77410	.03520	-.00820	.00150	-.00100	-.00380	.04420	.71940	.28580	2.51700
.994	23.860	.80280	.03660	-.00860	.00320	-.00140	-.00750	.04840	.73710	.31820	2.31650
.994	25.950	.85230	.03400	-.00360	.00130	-.00140	-.00860	.05040	.77010	.36520	2.10840
.994	28.010	.90420	.03080	.00860	-.00070	-.00780	-.01060	.05810	.80330	.41520	1.93430
.994	30.070	.97510	.02100	.01070	.00780	-.01460	-.01280	.06290	.85020	.47750	1.78050
.994	32.140	1.04990	.01260	-.00720	.01230	-.01000	-.01790	.06540	.89840	.54340	1.65310
.994	34.220	1.12010	.01280	-.01750	.00830	-.00150	-.02120	.06830	.93800	.61240	1.53160
.994	36.310	1.19030	.01710	-.01790	.00390	.00180	-.02700	.06920	.97510	.68310	1.42730
.994	38.420	1.25110	.01710	-.01720	.00600	.00060	-.03570	.07240	1.00230	.74950	1.33720
.994	40.460	1.31350	.01670	-.01440	.00390	-.00150	-.04130	.07310	1.02610	.82100	1.24970
.994	42.430	1.38030	.01460	-.01120	.00650	-.00300	-.04950	.07540	1.05230	.89490	1.17570
.994	32.160	1.04940	.01230	-.01030	.01160	-.00910	-.01780	.06510	.89780	.54360	1.65150
GRADIENT		.03081	-.00118	-.00068	.00028	.00013	-.00214	.00153	.01741	.03033	-.06410

RUN NO. 35/ 0 RN/L = 6.29 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
.901	22.690	.79200	.06910	.00070	.00080	-.00410	.03080	.05760	.71880	.33400	2.15180
.901	24.730	.86020	.06710	-.00090	.00180	-.00270	.02700	.06090	.76990	.38450	2.00250
.901	26.870	.94330	.05670	-.00130	.00380	-.00300	.02420	.06280	.83050	.44800	1.85370
.901	29.080	1.03450	.04440	-.01630	.00750	.00070	.02250	.06400	.91060	.53230	1.71050
.901	31.250	1.13470	.04500	-.03420	.01020	.00870	.01580	.06620	.96190	.60200	1.59770
.901	33.360	1.21190	.04260	-.04190	.00900	.01230	.00950	.06770	1.00690	.67450	1.49270
.901	35.510	1.28140	.04210	-.03630	.00600	.01120	-.00050	.07110	1.04350	.74390	1.40240
.901	37.610	1.32850	.05290	.00570	-.00110	-.00120	-.01260	.07520	1.06010	.80080	1.32370
.901	39.770	1.39580	.05050	.02290	.00010	-.00660	-.01980	.07510	1.08550	.87780	1.23650
.901	41.900	1.46650	.04660	.01420	.00190	-.00500	-.02710	.07460	1.10950	.95930	1.15660
.901	43.900	1.52090	.04600	.00780	.00270	-.00410	-.03470	.07280	1.11990	1.02960	1.08760
.901	33.350	1.20900	.04490	-.04510	.00980	.01250	.00780	.06780	1.00550	.67120	1.49810
GRADIENT		.03461	-.00086	.00089	-.00010	-.00009	-.00325	.00083	.01923	.03299	-.04911

MS53 (FAS) NAR ATP ORS (BICIDIFIMI) (MIEI) (VIXIRI)

(R76318) (03 NOV 72)

REFERENCE DATA

SREF = 7.4190 SQ. IN. XMRP = 3.4530 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 SREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

BETA = .000 CONF16 = 3.000
 RUDDER = .000 RUDFLR = 10.000
 ELEVTR = .000 OSDELV = -20.000
 TSDLV = .000 AILRON = .000
 CROAIL = .000 TROAIL = .000

RUN NO. 124/ 0 RN/L = 4.12 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CSL	CAF	CAB	CL	CD	L/D
2.990	21.780	.37070	-.04120	-.00490	.00240	.00000	.04940	.01390	.51150	.25780	1.98440
2.990	23.770	.64120	-.04780	-.00770	.00270	.00020	.04690	.01400	.56780	.30140	1.88350
2.990	25.670	.71970	-.05480	-.01050	.00350	.00040	.04470	.01410	.62800	.35430	1.77240
2.990	27.970	.60050	-.06200	-.01300	.00420	.00060	.04330	.01420	.68660	.41370	1.65950
2.990	30.080	.68500	-.06870	-.01410	.00400	.00110	.04090	.01410	.74530	.47890	1.55600
2.990	32.180	.96650	-.07520	-.01410	.00270	.00270	.03680	.01410	.79730	.54760	1.45590
2.990	34.310	1.05590	-.08260	-.01370	.00140	.00400	.03710	.01410	.85120	.62590	1.35990
2.990	36.390	1.14050	-.08970	-.01660	.00140	.00450	.03560	.01410	.89680	.70550	1.27110
2.990	38.540	1.22890	-.09660	-.02290	.00320	.00360	.03380	.01400	.93990	.79230	1.18630
2.990	40.630	1.31310	-.10370	-.02830	.00430	.00280	.03200	.01380	.97560	.87940	1.10930
2.990	42.630	1.39100	-.10920	-.03170	.00490	.00230	.03070	.01370	1.00250	.96470	1.03910
GRADIENT		.03873	-.00329	-.00113	.00004	.00018	-.00089	-.00001	.02404	.03420	-.04573

RUN NO. 123/ 0 RN/L = 4.86 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CSL	CAF	CAB	CL	CD	L/D
4.959	21.410	.45760	-.02500	-.00560	.00210	.00130	.04560	.00340	.40930	.20960	1.95300
4.959	23.360	.52430	-.03010	-.00800	.00230	.00110	.04410	.00350	.46380	.24840	1.86670
4.959	25.420	.59760	-.03300	-.00980	.00260	.00140	.04460	.00360	.52060	.29680	1.75360
4.959	27.490	.67110	-.03860	-.01060	.00230	.00190	.04410	.00370	.57500	.34900	1.64740
4.959	29.530	.74740	-.04530	-.01300	.00220	.00250	.04390	.00370	.62860	.40660	1.54590
4.959	31.590	.82920	-.05270	-.01540	.00250	.00250	.04370	.00360	.68340	.47160	1.44890
4.959	33.670	.91270	-.06300	-.01940	.00270	.00250	.04330	.00360	.73550	.54210	1.35670
4.959	35.710	.99320	-.07050	-.02160	.00280	.00270	.04320	.00350	.78120	.61480	1.27050
4.959	37.810	1.07840	-.07810	-.02310	.00350	.00270	.04260	.00340	.82580	.69480	1.18840
4.959	39.820	1.15640	-.08770	-.02710	.00360	.00250	.04100	.00330	.86180	.77220	1.11590
4.959	41.840	1.23940	-.09720	-.02890	.00370	.00270	.04030	.00330	.89630	.85690	1.04600
GRADIENT		.03849	-.00358	-.00116	.00007	.00008	-.00021	-.00001	.02420	.03187	-.04508

MS55 (FAS) WAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

(R76319) (03 NOV 72)

REFERENCE DATA

WREF = 7.4190 SQ. IN. WARP = 3.4530 IN.
 LREF = 2.1020 IN. YARP = .0000 IN.
 BREF = 4.0300 IN. ZARP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

BETA = .000 CONFIG = 3.000
 RUDDER = .000 RUOFLR = 10.000
 ELEVTR = .000 CBOELV = .000
 IBDELV = .000 AILRON = 10.000
 CBDAIL = 10.000 IBDAIL = 10.000

RUN NO. 182/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
.896	.670	-.03350	.02910	-.01420	.00780	.04790	.04340	.02380	-.03410	.04300	-.79290
.896	2.460	.05770	.02160	-.01790	.00890	.04670	.04290	.02240	.05570	.04550	1.22210
.896	4.760	.18320	.01590	-.02300	.01040	.05050	.03720	.02400	.14960	.04980	3.00200
.896	6.690	.25710	.00510	-.02760	.01040	.05250	.03200	.02240	.25140	.06260	4.01170
.896	9.000	.36090	-.00190	-.02480	.00870	.05000	.02680	.02390	.35220	.08290	4.24700
.896	11.090	.44540	-.00670	-.02290	.00700	.04540	.02370	.02540	.43250	.10900	3.96740
.896	13.190	.54940	-.01910	-.02140	.00580	.04220	.02070	.02750	.53020	.14550	3.64240
.896	15.260	.63270	-.02010	-.01900	.00360	.03800	.01920	.02970	.60530	.18510	3.26680
.896	17.400	.72490	-.02050	-.01480	.00150	.03500	.01780	.03350	.68630	.23390	2.93420
.896	19.460	.79430	-.01860	-.00870	-.00100	.03070	.01450	.04020	.74410	.27830	2.67300
.896	21.470	.84690	-.01320	.00080	-.00220	.02150	.01250	.04770	.78350	.32170	2.43540
.896	11.100	.45360	-.01030	-.02220	.00690	.04430	.02390	.02530	.44030	.11080	3.97460
GRADIENT		.04565	-.00322	-.00215	.00064	.00064	-.00153	.00006	.04491	.00167	.92711

RUN NO. 183/ 0 RN/L = 6.28 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
.900	.620	-.07700	.05370	-.00660	.00780	.03670	.05900	.02950	-.07760	.05620	-1.33340
.900	2.710	.03250	.04120	-.00670	.00820	.04030	.05920	.02990	.02970	.06070	.48960
.900	4.920	.15640	.02820	-.01210	.00830	.04260	.05400	.03000	.15110	.06730	2.24560
.900	7.170	.26910	.00900	-.01670	.00640	.04500	.05010	.02970	.28060	.08560	3.26610
.900	9.390	.39120	.00440	-.01470	.00720	.04230	.04920	.03190	.37800	.11220	3.36820
.900	11.540	.49730	-.00300	-.01480	.00590	.04220	.04880	.03300	.47740	.14730	3.23950
.900	13.760	.61340	-.01120	-.01550	.00500	.04310	.05010	.03750	.56380	.19460	2.99940
.900	15.920	.70750	-.01660	-.01320	.00260	.04140	.05030	.04090	.66650	.24250	2.74760
.900	18.130	.78100	-.00500	.00030	-.00220	.03160	.05100	.05020	.72630	.29160	2.49050
.900	20.210	.83630	.00850	.01000	-.00310	.02260	.04670	.05620	.78860	.33280	2.30910
.900	22.290	.90910	.00910	.02050	-.00540	.01950	.04200	.06010	.82520	.38370	2.15030
.900	11.550	.50220	-.00390	-.01290	.00550	.04170	.04900	.03360	.48220	.14860	3.24470
GRADIENT		.05430	-.00640	-.00124	.00012	.00091	-.00117	.00012	.05320	.00212	.63196

MS55 (FAS) MAR ATP ORB (BICIDIFIM) (MIE1) (VIRIR1)

(R76319) (03 NOV 72)

REFERENCE DATA

PARAMETRIC DATA

BREF = 7.4190 IN. WARP = 3.4530 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 SREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

BETA = .000 CONF16 = 3.000
 RUDDER = .000 RUOFLR = 10.000
 ELEVTR = .000 CROELV = .000
 TROELV = .000 AILRON = 10.000
 CROAIL = 10.000 TROAIL = 10.000

RUN NO. 184/ 0 RN/L = 6.69 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CSL	CAF	CAB	CL	CD	L/D
1.200	.750	-.00920	.04320	.00240	.00450	.04320	.08890	.04270	-.01040	.08880	-.11730
1.200	2.890	.12300	.01180	.00180	.00400	.04360	.08880	.04270	.11830	.09490	1.24720
1.200	9.150	.26120	-.02280	.00060	.00260	.04220	.08730	.04230	.25230	.11050	2.26320
1.200	7.430	.40010	-.05360	-.00040	.00130	.04110	.08500	.04300	.38570	.13600	2.83440
1.200	9.690	.53390	-.07940	-.00360	.00050	.04010	.08260	.04480	.51240	.17130	2.96960
1.200	11.960	.67130	-.10290	-.00540	-.00080	.04000	.08090	.04820	.64000	.21840	2.93040
1.200	14.210	.78630	-.11710	-.00580	-.00240	.03630	.08100	.05020	.74230	.27170	2.73200
1.200	16.440	.89700	-.12300	-.00770	-.00300	.03700	.08460	.05270	.83630	.33500	2.49580
1.200	18.690	.98680	-.12370	-.01390	-.00220	.03800	.08500	.05340	.90750	.39690	2.28620
1.200	20.900	1.06440	-.12790	-.01340	-.00440	.03620	.08280	.05600	.96350	.46420	2.11830
1.200	22.950	1.12240	-.11360	-.00940	-.00390	.02500	.07690	.05980	1.00350	.50870	1.97260
1.200	11.960	.66890	-.10390	-.00610	-.00100	.03940	.08080	.04730	.63760	.21780	2.92760
GRADIENT		.06178	-.01467	-.00028	-.00023	.00019	-.00005	.00000	.08014	.00285	.63762

RUN NO. 144/ 0 RN/L = 6.76 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CSL	CAF	CAB	CL	CD	L/D
1.956	.740	.02440	-.00940	.01560	-.00060	.01730	.07590	.02420	.02350	.07620	.30820
1.956	2.810	.10450	-.02350	.01390	-.00070	.01690	.07510	.02430	.10070	.08020	1.25520
1.956	9.010	.19310	-.03980	.01160	-.00110	.01800	.07630	.02480	.18570	.09290	1.99900
1.956	7.190	.27220	-.05270	.00970	-.00110	.01800	.07580	.02550	.26060	.10930	2.38250
1.956	9.360	.35540	-.06700	.00830	-.00120	.01850	.07570	.02660	.33630	.13260	2.54990
1.956	11.560	.43310	-.07960	.00660	-.00140	.01880	.07500	.02720	.40930	.16030	2.55210
1.956	13.740	.51260	-.09080	.00530	-.00200	.01910	.07410	.02730	.48030	.19380	2.47790
1.956	15.940	.59440	-.10130	.00330	-.00320	.01990	.07250	.02680	.55160	.23300	2.36700
1.956	18.150	.67730	-.11110	.00040	-.00400	.02100	.07050	.02630	.62180	.27820	2.23520
1.956	20.340	.75250	-.11580	-.00230	-.00370	.02230	.06810	.02640	.68190	.32550	2.09460
1.956	22.430	.81670	-.11690	-.00440	-.00520	.02360	.06610	.02740	.73150	.37360	1.95780
1.956	11.540	.42330	-.07390	.00730	-.00150	.01780	.07360	.02710	.40000	.15690	2.54920
GRADIENT		.03870	-.00681	-.00082	-.00005	-.00019	-.00039	.00005	.03729	.00193	.45749

M555 (FAS) NAR ATP ORB (BIC101F1M1) (WIE1) (V1K1R1)

(R76320) (03 NOV 72)

REFERENCE DATA

SREF = 7.4190 SQ. IN. XGRP = 3.4530 IN.
 LREF = 2.1020 IN. YGRP = .0000 IN.
 SREF = 4.0300 IN. ZGRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

BETA = .000 CONF16 = 3.000
 RUDDER = .000 RUOFLR = 10.000
 ELEVTR = .000 OBDELV = .000
 IBDELV = .000 AILRON = 10.000
 OBDAIL = 10.000 IBDAIL = 10.000

RUN NO. 181/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CL	CAF	CAB	CL	CD	L/D
.895	22.000	.84670	-.01180	-.00440	.00000	.01820	.01200	.04760	.78050	.32840	2.37670
.895	23.920	.87880	-.00770	.00250	.00080	.01920	.01000	.03240	.79950	.36560	2.18620
.895	25.960	.91490	-.00340	.00950	-.00100	.01520	.00780	.05690	.81910	.40760	2.00920
.895	28.030	.96630	-.01150	.02310	-.00210	.01070	.00520	.06200	.85050	.45880	1.85360
.895	30.100	1.05100	-.02650	.02120	.00440	.00780	.00230	.06610	.90800	.52920	1.71550
.895	32.180	1.13350	-.03780	.01150	.00790	.00920	-.00060	.06690	.95940	.60320	1.59060
.895	34.270	1.20680	-.04000	.00310	.00620	.01500	-.00500	.07010	1.00000	.67550	1.48850
.895	36.350	1.27620	-.03750	-.00050	.00400	.01720	-.00970	.07230	1.03360	.74860	1.36070
.895	38.460	1.34500	-.03820	.00040	.00200	.01610	-.01620	.07340	1.06320	.82400	1.29050
.895	40.510	1.40950	-.03800	.00070	.00090	.01550	-.02460	.07550	1.08730	.89690	1.21220
.895	42.510	1.46350	-.03920	.00450	-.00040	.01480	-.03100	.07550	1.09980	.96600	1.13840
.895	32.220	1.13670	-.03530	.00830	.00860	.01010	.00050	.06640	.96130	.60670	1.98450
GRADIENT		.03202	-.00196	-.00025	.00009	.00003	-.00204	.00134	.01735	.03209	-.05904

RUN NO. 180/ 0 RN/L = 6.27 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CL	CAF	CAB	CL	CD	L/D
.900	22.850	.90190	.01230	.02230	-.00520	.02050	.03600	.06010	.81640	.38500	2.12010
.900	24.790	.95020	.01390	.01950	-.00480	.02460	.03680	.06240	.84720	.43190	1.96130
.900	26.950	1.03880	.00070	.01880	-.00240	.02280	.03490	.06700	.91030	.50170	1.81450
.900	29.130	1.12900	-.01390	.00990	.00000	.02290	.03210	.06820	.97050	.57770	1.67990
.900	31.330	1.22510	-.01640	-.00340	-.00020	.02770	.02610	.07090	1.03290	.65940	1.56630
.900	33.450	1.30810	-.01800	-.00920	-.00120	.03040	.02010	.07250	1.08030	.73790	1.46390
.900	35.610	1.38890	-.01750	.00050	-.00600	.02800	.01080	.07380	1.12280	.81760	1.37330
.900	37.710	1.44750	-.01090	.02620	-.01160	.01870	.00000	.07550	1.14510	.88540	1.29320
.900	39.890	1.51730	-.01590	.03230	-.00990	.01520	-.00720	.07530	1.16860	.96770	1.20760
.900	42.020	1.59970	-.02200	.02580	-.00830	.01560	-.01060	.07480	1.19540	1.06310	1.12440
.900	44.020	1.64240	-.02150	.01830	-.00680	.01650	-.01820	.07530	1.19360	1.12840	1.05770
.900	33.440	1.30880	-.01760	-.00800	-.00080	.03030	.02050	.07230	1.08080	.73830	1.46370
GRADIENT		.03651	-.00152	.00035	-.00031	-.00037	-.00288	.00071	.01912	.03578	-.04867

MS95 (FAS) NAR ATP ORB (B1C1D1F1H1) (W1E1) (V1K1R1)

(R76320) (03 NOV 72)

REFERENCE DATA

SREF = 7.4190 SQ. IN. XMRP = 3.4930 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 SREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

BETA = .000 CONF16 = 3.000
 RUDDER = .000 RUDDFLR = 10.000
 ELEVTR = .000 CBDELV = .000
 ISDELV = .000 AILRON = 10.000
 CBDAIL = 10.000 ISDAIL = 10.000

RUN NO. 140/ 0 RN/L = 4.13 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CSL	CAF	CAB	CL	CD	L/D
2.990	21.810	.63170	-.08970	-.00240	-.00250	.01900	.05810	.01360	.56490	.28870	1.95620
2.990	23.780	.70600	-.09780	-.00430	-.00210	.02050	.05770	.01390	.62450	.33840	1.84340
2.990	25.900	.78730	-.10790	-.00810	-.00230	.02150	.05730	.01400	.68320	.39550	1.72750
2.990	28.000	.87120	-.11710	-.01000	-.00210	.02290	.05690	.01410	.74250	.45930	1.61640
2.990	30.100	.95690	-.12700	-.01230	-.00320	.02440	.05660	.01410	.79930	.52910	1.51050
2.990	32.210	1.04540	-.13660	-.01170	-.00490	.02700	.05660	.01430	.85450	.60520	1.41160
2.990	34.340	1.13780	-.14580	-.01140	-.00640	.02950	.05660	.01410	.90740	.68870	1.31740
2.990	36.430	1.22770	-.15700	-.01430	-.00720	.03120	.05670	.01420	.95400	.77480	1.23120
2.990	38.580	1.31880	-.16610	-.01970	-.00580	.03120	.05630	.01420	.99370	.86660	1.14890
2.990	40.650	1.40630	-.17520	-.02460	-.00510	.03200	.05630	.01410	1.03020	.95890	1.07430
2.990	42.670	1.48960	-.18460	-.02780	-.00560	.03300	.05620	.01400	1.05700	1.05110	1.00560
GRADIENT		.04145	-.00458	-.00109	-.00022	.00072	-.00008	.00002	.02404	.03680	-.04563

RUN NO. 139/ 0 RN/L = 4.67 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CSL	CAF	CAB	CL	CD	L/D
4.959	21.410	.51580	-.06710	-.00440	-.00220	.01790	.05420	.00290	.46040	.23880	1.92790
4.959	23.560	.58440	-.07640	-.00800	-.00270	.01940	.05510	.00310	.51460	.28240	1.82240
4.959	25.410	.68260	-.08200	-.00870	-.00250	.02090	.05640	.00320	.57430	.33540	1.71220
4.959	27.490	.74000	-.09090	-.01070	-.00300	.02250	.05720	.00320	.62990	.39240	1.60520
4.959	29.550	.82020	-.09990	-.01210	-.00380	.02470	.05780	.00330	.68500	.45480	1.50580
4.959	31.610	.90610	-.11090	-.01510	-.00390	.02620	.05950	.00340	.74050	.52570	1.40860
4.959	33.690	.99150	-.12190	-.01650	-.00450	.02760	.06040	.00330	.79140	.60030	1.31630
4.959	35.750	1.07760	-.13660	-.02060	-.00470	.02670	.06150	.00330	.83660	.67950	1.23410
4.959	37.850	1.16490	-.14780	-.02360	-.00500	.03010	.06220	.00330	.88160	.76390	1.15400
4.959	39.850	1.24900	-.15970	-.02550	-.00520	.03120	.06270	.00320	.91670	.84850	1.08260
4.959	41.820	1.33210	-.17050	-.02740	-.00570	.03250	.06280	.00320	.95080	.93500	1.01680
GRADIENT		.04024	-.00513	-.00112	-.00017	.00072	.00045	.00001	.02440	.03430	-.04478

M555 (FAS) MAR ATP CRB (81C1D1F1M1) (WIE1) (V1K1R1)

(R76321) (03 NOV 72)

REFERENCE DATA

SREF = 7.4190 SQ. IN. XMRP = 3.4550 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 SREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

BETA = .000 CONFIG = 3.000
 RUDDER = .000 RUOFLR = 10.000
 ELEVTR = .000 CBDELV = .000
 IBDELV = .000 AILRON = 10.000
 CRDAIL = 10.000 IBDAII = .000

RUN NO. 175/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
.895	.860	-.03480	.02520	.01600	.00000	.02660	.03500	.02120	-.03500	.03460	-1.01220
.895	2.670	.06700	.01840	.01360	.00100	.02990	.03400	.02110	.06340	.03710	1.76230
.895	4.770	.16170	.01030	.00870	.00190	.03100	.02960	.02100	.15860	.04290	3.69390
.895	6.890	.26230	.00260	.00460	.00240	.03260	.02310	.02160	.25760	.05440	4.73220
.895	9.000	.37420	-.01140	.00350	.00090	.03210	.01770	.02270	.36680	.07600	4.62300
.895	11.100	.47290	-.01750	.00790	-.00080	.02790	.01480	.02370	.46110	.10570	4.36310
.895	13.210	.57440	-.02750	.00370	-.00170	.02690	.01250	.02470	.55640	.14350	3.87740
.895	15.280	.65470	-.02930	.00650	-.00330	.02260	.01020	.02860	.62860	.18240	3.44660
.895	17.420	.74680	-.03160	.00510	-.00420	.02150	.00800	.03280	.71010	.23140	3.06890
.895	19.480	.80900	-.02980	.00610	-.00540	.01960	.00710	.03790	.76030	.27650	2.74960
.895	21.460	.87320	-.02540	.00760	-.00530	.01440	.00550	.04490	.81060	.32470	2.49640
.895	11.100	.46720	-.01750	.00790	-.00100	.02660	.01580	.02330	.45540	.10550	4.31560
GRADIENT		.04774	-.00358	-.00176	.00046	.00056	-.00132	-.00005	.04708	.00203	1.14336

RUN NO. 176/ 0 RN/L = 6.26 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
.901	.630	-.06790	.04940	.02280	-.00070	.02100	.04470	.02650	-.06630	.04390	-1.55310
.901	2.750	.04210	.03910	.01850	-.00050	.02230	.04320	.02640	.04000	.04520	.88530
.901	4.930	.16460	.02290	.01450	-.00050	.02650	.03960	.02580	.16060	.05360	2.99330
.901	7.180	.29950	.00410	.01230	-.00030	.02880	.03520	.02680	.29270	.07240	4.04310
.901	9.360	.39420	.00320	.01410	-.00160	.02750	.03690	.02790	.38300	.10050	3.80720
.901	11.550	.50190	-.00440	.00930	-.00140	.02850	.03600	.03130	.48450	.13580	3.56660
.901	13.740	.61320	-.01670	.00590	-.00200	.02830	.03530	.03540	.58920	.18050	3.26360
.901	15.900	.72000	-.02860	.00150	-.00230	.02740	.03590	.03960	.68260	.23190	2.94330
.901	18.150	.82410	-.03050	.00320	-.00440	.02340	.03710	.04920	.77150	.29210	2.64070
.901	20.260	.88050	-.01630	.01510	-.00710	.01340	.03530	.05730	.81370	.33810	2.40650
.901	22.300	.92910	-.00860	.00910	-.00490	.01490	.03050	.06170	.84800	.38090	2.22640
.901	11.550	.50520	-.00570	.01200	-.00150	.02850	.03650	.03110	.48760	.13700	3.55920
GRADIENT		.05408	-.00617	-.00193	.00005	.00128	-.00119	-.00016	.05325	.00227	1.05696

N355 (FAS) MAR ATP CRB (BIC101F1M1) (WIE1) (V1K1R1)

(R76321) (03 NOV 78)

REFERENCE DATA

SREF = 7.4190 SQ. IN. XMRP = 3.4930 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 BREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

BETA = .000 CONFIG = 3.000
 RUDDER = .000 RUOFLR = 10.000
 ELEVTB = .000 CBOELV = .000
 IBOELV = .000 AILRON = 10.000
 CBOAIL = 10.000 IBOAIL = .000

RUN NO. 177/ 0 RN/L = 6.65 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CSL	CAF	CAB	CL	CD	L/D
1.196	.790	.00050	.04180	.02240	-.00220	.02620	.07640	.04110	-.00050	.07640	-.00660
1.196	2.910	.12900	.01250	.01920	-.00200	.02700	.07560	.04070	.12500	.08220	1.51970
1.196	9.170	.26620	-.01980	.01680	-.00240	.02610	.07370	.04160	.25850	.09740	2.65370
1.196	7.430	.39750	-.04930	.01280	-.00290	.02460	.07170	.04120	.38490	.12260	3.13630
1.196	9.710	.53260	-.07950	.00870	-.00300	.02390	.07080	.04200	.51310	.15970	3.21180
1.196	11.950	.65760	-.09670	.00360	-.00270	.02290	.07070	.04210	.62670	.20540	3.06020
1.196	14.210	.76200	-.11270	-.00040	-.00260	.02120	.06960	.04640	.74090	.25940	2.85550
1.196	16.430	.86530	-.12210	-.00830	-.00050	.02520	.07160	.05040	.82880	.31920	2.59660
1.196	18.690	.99750	-.13320	-.01210	-.00130	.02580	.07140	.05430	.92200	.38740	2.37980
1.196	20.900	1.09750	-.13670	-.01100	-.00340	.02380	.06840	.05590	1.00080	.45550	2.19710
1.196	22.940	1.14620	-.12720	-.00810	-.00370	.01910	.06470	.05780	1.03030	.50650	2.03420
1.196	11.950	.65900	-.09800	.00310	-.00280	.02280	.07070	.04260	.63010	.20560	3.06370
GRADIENT		.06061	-.01362	-.00151	.00009	.00038	-.00028	-.00019	.05920	.00274	.71995

RUN NO. 143/ 0 RN/L = 6.75 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CSL	CAF	CAB	CL	CD	L/D
1.954	.750	.02180	-.00780	.01780	-.00130	.01110	.07090	.02540	.02090	.07120	.29390
1.954	2.790	.09980	-.02090	.01590	-.00110	.01070	.07010	.02560	.09620	.07490	1.28500
1.954	9.010	.16990	-.03690	.01310	-.00110	.01140	.07170	.02550	.16290	.08800	2.07730
1.954	7.200	.27260	-.05160	.01030	-.00090	.01160	.07120	.02660	.26150	.10490	2.49270
1.954	9.390	.35480	-.06550	.00890	-.00090	.01210	.07120	.02660	.33840	.12820	2.63940
1.954	11.560	.42840	-.07540	.00760	-.00060	.01230	.07010	.02610	.40570	.15450	2.62460
1.954	13.730	.50170	-.08440	.00570	-.00080	.01280	.06850	.02620	.47110	.18570	2.53660
1.954	15.950	.56410	-.09500	.00300	-.00130	.01360	.06730	.02660	.54310	.22530	2.41070
1.954	18.180	.66390	-.10230	-.00040	-.00180	.01480	.06530	.02640	.61050	.26910	2.26860
1.954	20.340	.74700	-.11140	-.00470	-.00130	.01640	.06380	.02650	.67820	.31960	2.12190
1.954	22.420	.81270	-.11220	-.00710	-.00060	.01780	.06120	.02720	.72790	.36670	1.98470
GRADIENT		.05786	-.00636	-.00092	.00010	-.00019	-.00039	.00010	.05655	.00180	.46112

M559 (P43) NAR ATP CRB (81C101F1M1) (M1E1) (V1K1R1)

(R76322) (03 NOV 72)

REFERENCE DATA

BREF = 7.4190 80 IN. XMRP = 3.4530 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 SREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

BETA = .000 CONFIG = 3.000
 RUDDER = .000 RUOFLR = 10.000
 ELEVTR = .000 CBOELV = .000
 IBOELV = .000 AILRON = 10.000
 CBOAIL = 10.000 IBOAIL = .000

RUN NO. 174/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CSL	CAF	CAB	CL	CD	L/D
.896	22.000	.87020	-.02110	-.00440	-.00100	.01170	.00310	.04760	.80560	.32900	2.44840
.896	23.940	.89360	-.01770	-.00480	.00050	.01140	.00310	.04980	.81730	.36630	2.23090
.896	25.990	.94460	-.01670	.00380	-.00100	.01040	.00050	.05490	.84900	.41450	2.04790
.896	28.060	.99030	-.02370	.01960	-.00250	.00440	-.00100	.05980	.87430	.46490	1.88050
.896	30.120	1.06490	-.03710	.01700	.00300	.00060	-.00440	.06520	.92330	.53070	1.73980
.896	32.210	1.14970	-.04540	.00260	.00960	.00290	-.00820	.06680	.97720	.60580	1.61260
.896	34.260	1.22420	-.04700	-.00440	.00810	.00920	-.01290	.07120	1.01870	.67890	1.50050
.896	36.330	1.28110	-.04490	-.00240	.00570	.01090	-.01640	.07200	1.04180	.74570	1.39690
.896	38.440	1.34630	-.04620	-.00140	.00320	.00960	-.02280	.07370	1.06870	.81910	1.30470
.896	40.490	1.40600	-.04760	.00290	.00260	.00830	-.03050	.07530	1.08900	.88990	1.22370
.896	42.490	1.47810	-.04920	.00240	.00270	.00860	-.03820	.07810	1.11560	.97030	1.14970
.896	32.220	1.19270	-.04470	.00480	.00850	.00410	-.00860	.06820	.97990	.80710	1.61400
GRADIENT		.03101	-.00177	-.00007	.00026	-.00004	-.00199	.00151	.01644	.03168	-.06154

RUN NO. 175/ 0 RN/L = 6.26 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CSL	CAF	CAB	CL	CD	L/D
.902	22.830	.93670	-.00610	.00640	-.00290	.01440	.03110	.06040	.85120	.39220	2.17020
.902	24.820	.98160	-.00500	.00620	-.00250	.01640	.02650	.06350	.87970	.43620	2.01690
.902	26.960	1.05990	-.01740	.00480	-.00050	.01510	.02350	.06640	.93400	.50150	1.86220
.902	29.130	1.15760	-.02870	-.00340	.00210	.01670	.02350	.06700	.99960	.58420	1.71110
.902	31.300	1.24370	-.02900	-.01760	.00370	.02210	.01900	.06870	1.05280	.66240	1.58910
.902	33.490	1.34800	-.03130	-.01810	.00090	.02500	.01550	.07140	1.11540	.75690	1.47360
.902	35.640	1.41750	-.02550	-.00760	-.00400	.02170	.00720	.07330	1.14770	.83180	1.37970
.902	37.740	1.47230	-.02110	.01680	-.00910	.01340	-.00220	.07530	1.16560	.89950	1.29370
.902	39.890	1.51970	-.02380	.02130	-.00690	.01000	-.00990	.07480	1.17240	.96700	1.21230
.902	41.970	1.56360	-.02460	.01670	-.00500	.01060	-.01640	.07510	1.18830	1.04690	1.13510
.902	44.040	1.66230	-.02840	.00950	-.00400	.01220	-.02220	.07560	1.21030	1.13970	1.06190
.902	33.470	1.33650	-.02940	-.01730	.00120	.02460	.01370	.07200	1.10720	.74870	1.47880
GRADIENT		.03499	-.00081	.00067	-.00028	-.00024	-.00236	.00072	.01778	.03565	-.05133

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M555 (FAS) WAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

(R76322) (03 NOV 72)

REFERENCE DATA

SREF = 7.4190 SQ. IN. XMRP = 3.4530 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 SREF = 4.0500 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

BETA = .000 CONFIG = 3.000
 RUDDER = .000 RUOFLR = 10.000
 ELEVTR = .000 CBOELV = .000
 IBOELV = .000 AILRON = 10.000
 OBDAIL = 10.000 IBDAIL = .000

RUN NO. 141/ 0 RN/L = 4.13 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CL	CAF	CAB	CL	CD	L/D
2.990	21.610	.02870	-.08410	-.00440	-.00070	.01410	.05510	.01370	.56320	.28480	1.97750
2.990	23.780	.70140	-.09160	-.00720	-.00060	.01480	.05420	.01390	.62000	.33240	1.86460
2.990	25.900	.76370	-.09990	-.00900	-.00020	.01560	.05340	.01410	.68160	.39040	1.74560
2.990	26.000	.86780	-.10980	-.01190	.00000	.01630	.05280	.01420	.74130	.45420	1.63220
2.990	30.110	.95330	-.11940	-.01410	-.00060	.01740	.05210	.01410	.79850	.52530	1.52580
2.990	32.210	1.04000	-.12780	-.01310	-.00210	.01980	.05160	.01410	.85230	.59810	1.42490
2.990	34.320	1.12990	-.13850	-.01440	-.00360	.02150	.05110	.01390	.90430	.67930	1.33100
2.990	36.430	1.21890	-.14710	-.01600	-.00420	.02290	.05100	.01390	.95030	.76500	1.24210
2.990	38.560	1.31040	-.15680	-.02240	-.00240	.02260	.05000	.01380	.99340	.85610	1.16030
2.990	40.650	1.39770	-.16630	-.02810	-.00160	.02220	.04970	.01350	1.02800	.94630	1.08400
2.990	42.670	1.47950	-.17360	-.03130	-.00140	.02250	.04930	.01350	1.05430	1.03910	1.01450
	GRADIENT	.04115	-.00438	-.00116	-.00011	.00048	-.00027	-.00002	.02403	.03644	-.04621

RUN NO. 142/ 0 RN/L = 4.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CL	CAF	CAB	CL	CD	L/D
4.959	21.430	.50950	-.05960	-.00580	-.00030	.01340	.05120	.00270	.45560	.23380	1.94810
4.959	23.360	.57780	-.06730	-.00820	-.00080	.01430	.05120	.00300	.51010	.27610	1.84700
4.959	25.430	.65390	-.07330	-.01120	-.00050	.01520	.05180	.00320	.56820	.32770	1.73400
4.959	27.490	.73370	-.08250	-.01200	-.00090	.01660	.05230	.00330	.62660	.38510	1.62690
4.959	29.550	.81390	-.09150	-.01330	-.00130	.01820	.05330	.00330	.68170	.44780	1.52220
4.959	31.610	.89720	-.10390	-.01740	-.00150	.01890	.05410	.00330	.73570	.51640	1.42460
4.959	33.690	.98440	-.11550	-.01930	-.00170	.02010	.05530	.00320	.78830	.59210	1.33130
4.959	35.730	1.06990	-.12550	-.02170	-.00160	.02090	.05590	.00320	.83580	.67020	1.24690
4.959	37.810	1.15820	-.13770	-.02470	-.00140	.02160	.05660	.00318	.88030	.75480	1.16610
4.959	39.850	1.24430	-.15040	-.02760	-.00170	.02240	.05740	.00310	.91840	.84140	1.09140
4.959	41.850	1.32700	-.16120	-.02890	-.00180	.02300	.05720	.00310	.95020	.92800	1.02390
	GRADIENT	.04034	-.00507	-.00115	-.00006	.00049	.00035	.00001	.02465	.03423	-.04560

M555 (FAS) NAR ATP ORS (B1C1D1F1M1) (M1E1) (V1K1R1)

(R76323) (03 NOV 72)

REFERENCE DATA

SREF = 7.4190 SQ. IN. YMRP = 3.4530 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 SREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

BETA = .000 CONFIG = 3.000
 RUDDER = .000 RUOFLR = 40.000
 ELEVTR = .000 CBDELV = .000
 IBDELV = .000 AILRON = .000
 CBAIL = .000 IBAIL = .000

RUN NO. 169/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
.895	.890	-.04890	.04560	.02210	-.00030	.00140	.04120	.02840	-.04940	.04060	-1.21560
.895	2.660	.04400	.03620	.02020	-.00020	.00170	.04070	.02740	.04200	.04270	.98410
.895	4.770	.14210	.03210	.01710	.00020	.00210	.03590	.02690	.13860	.04760	2.91060
.895	6.890	.23630	.02410	.01560	.00050	.00250	.03040	.02600	.23290	.05670	3.96290
.895	8.990	.34640	.01120	.01400	.00020	.00290	.02410	.02750	.33840	.07800	4.33410
.895	11.100	.45560	-.00090	.01360	.00000	.00280	.02090	.02820	.44330	.10830	4.09030
.895	13.210	.56490	-.01210	.01020	.00020	.00150	.01800	.02970	.54560	.14670	3.71690
.895	15.280	.65330	-.01610	.00840	.00010	.00170	.01640	.03260	.62590	.18810	3.32680
.895	17.440	.74500	-.01760	.00570	-.00030	.00270	.01360	.03740	.70660	.23640	2.98840
.895	19.480	.81510	-.01670	.00340	-.00130	.00230	.01120	.04340	.76470	.28240	2.70710
.895	21.460	.87480	-.01450	.00100	-.00080	-.00030	.00980	.04900	.81050	.32930	2.46120
.895	11.110	.45600	.00270	.01410	.00020	.00190	.02110	.02860	.44330	.10860	4.08000
GRADIENT		.04681	-.00330	-.00123	.00012	.00017	-.00131	-.00037	.04607	.00172	1.01016

RUN NO. 170/ 0 RN/L = 6.29 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
.901	.840	-.10150	.07840	.02500	-.00110	.00000	.04970	.03140	-.10210	.04860	-2.09980
.901	2.710	.00660	.06850	.02070	-.00040	.00090	.04710	.03060	.00440	.04740	.09320
.901	4.920	.13090	.05590	.01910	-.00040	.00080	.04090	.03090	.12690	.05200	2.43690
.901	7.170	.25650	.04160	.01640	-.00060	.00120	.03630	.03230	.25170	.07020	3.58050
.901	9.360	.37000	.03050	.01200	.00000	.00210	.03930	.03370	.35860	.09900	3.62080
.901	11.550	.48410	.01390	.00570	.00090	.00370	.03800	.03680	.46660	.13420	3.47890
.901	13.760	.60510	-.00250	-.00190	.00200	.00540	.03790	.04120	.57870	.18080	3.20110
.901	15.920	.71350	-.01330	-.00920	.00240	.00570	.03750	.04710	.67580	.23180	2.91530
.901	18.170	.81440	-.01510	-.00760	.00130	.00250	.03820	.05410	.76190	.29030	2.62440
.901	20.280	.87730	-.00410	-.00220	.00050	-.00590	.04020	.06260	.80890	.34180	2.36610
.901	22.510	.91950	.00430	-.01040	.00300	-.00230	.03680	.06580	.83660	.38320	2.18300
.901	11.560	.48670	.01310	.00500	.00080	.00370	.03650	.03710	.46950	.13330	3.52050
GRADIENT		.05432	-.00526	-.00137	.00016	.00018	-.00206	-.00011	.05353	.00081	1.06045

M555 (FAS) WAR ATP CRB (B1C1D1F1M1) (WIE1) (V1K1R1)

(R76323) (03 NOV 72)

REFERENCE DATA

BREF = 7.4100 60 IN. XMRP = 3.4530 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 BREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

BETA = .000 CONFIG = 3.000
 RUDDER = .000 RUOFLR = 40.000
 ELEVTR = .000 CBOELV = .000
 IBOELV = .000 ATLRON = .000
 CBOAIL = .000 IBOAIL = .000

RUN NO. 171/ 0 RN/L = 6.68 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
1.199	.810	-.02580	.07950	.01610	.00000	.00060	.09000	.04000	-.02700	.08970	-.30180
1.199	2.930	.10580	.04780	.01350	.00070	.00140	.08730	.04190	.10120	.09260	1.09290
1.199	5.200	.24290	.01350	.01020	.00130	.00130	.08570	.04250	.23410	.10730	2.18050
1.199	7.460	.37770	-.01750	.00780	.00190	.00180	.08470	.04090	.36350	.13300	2.73180
1.199	9.710	.50950	-.04330	.00250	.00220	.00180	.08330	.04080	.48810	.16810	2.90320
1.199	11.960	.63960	-.06750	-.00220	.00290	.00120	.08220	.04200	.60860	.21310	2.85570
1.199	14.220	.76550	-.08810	-.00560	.00300	.00150	.08170	.04390	.72000	.26680	2.69840
1.199	16.480	.88080	-.09230	-.01280	.00470	.00400	.08160	.04800	.80260	.32170	2.49450
1.199	18.730	.98330	-.09700	-.01120	.00210	.00180	.08040	.05380	.88640	.38560	2.29840
1.199	20.990	1.06470	-.10820	-.01360	.00190	.00280	.07760	.05480	.96690	.45230	2.13780
1.199	22.950	1.12930	-.10320	-.01490	.00220	.00260	.07460	.05860	1.00710	.50750	1.98400
1.199	11.970	.64170	-.06870	-.00240	.00270	.00130	.08280	.04110	.61060	.21420	2.85040
GRADIENT		.06208	-.01495	-.00123	.00033	.00038	-.00127	.00090	.06047	.00137	.65788

RUN NO. 104/ 0 RN/L = 7.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
1.960	.750	.00690	.01360	.01480	.00040	.00060	.08310	.02420	.00740	.08320	.08960
1.960	2.610	.08880	-.00050	.01250	.00100	.00020	.08210	.02540	.08470	.08640	.98000
1.960	5.020	.17180	-.01920	.01020	.00130	.00010	.08260	.02410	.16390	.09730	1.68380
1.960	7.200	.25300	-.02970	.00830	.00200	.00020	.08150	.02600	.24080	.11260	2.13860
1.960	9.370	.32940	-.04170	.00630	.00240	.00030	.07940	.02630	.31210	.13200	2.36350
1.960	11.550	.40800	-.05350	.00520	.00270	.00060	.07920	.02540	.38390	.15930	2.40890
1.960	13.760	.48980	-.06590	.00310	.00270	.00110	.07750	.02540	.45720	.19190	2.38270
1.960	15.950	.56750	-.07520	.00000	.00260	.00170	.07530	.02620	.52500	.22840	2.29760
1.960	18.160	.64480	-.08050	-.00290	.00270	.00240	.07290	.02630	.59000	.27030	2.18210
1.960	20.330	.71840	-.08460	-.00620	.00320	.00290	.06980	.02640	.64740	.31450	2.05870
1.960	22.420	.79200	-.09060	-.01090	.00440	.00440	.06690	.02730	.70650	.36390	1.94110
1.960	11.540	.40500	-.05080	.00500	.00270	.00050	.07800	.02570	.37920	.15710	2.41310
GRADIENT		.05898	-.00684	-.00102	.00029	-.00019	-.00049	.00058	.03752	.00155	.43223

N595 (FA3) MAR ATP ORB (01C101F1M1) (M3E1) (V1K1R1)

(R76323) (05 NOV 72)

REFERENCE DATA

WREF = 7.4190 20. IN. WMRP = 3.4530 IN.
 LREF = 2.1020 IN. LMRP = .0000 IN.
 SREF = 4.0300 IN. SMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

BETA = .000 CONFIG = 3.000
 RUDDER = .000 RUDDLR = 40.000
 ELEVTR = .000 CBDELV = .000
 IBDELV = .000 AILRON = .000
 CBDAIL = .000 IBDAIL = .000

RUN NO. 105/ 0 RN/L = 4.62 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CEL	CAF	CAB	CL	CD	L/D
2.990	.670	-.01210	-.00570	.01010	.00100	.00000	.07590	.01200	-.01300	.07580	-.17190
2.990	2.640	.04070	-.00950	.00940	.00100	.00000	.07420	.01240	.03730	.07600	.49040
2.990	4.710	.09450	-.01360	.00790	.00110	.00040	.07270	.01260	.08820	.08020	1.09980
2.990	6.800	.15190	-.01950	.00550	.00110	.00040	.07130	.01270	.14240	.08880	1.60400
2.990	8.850	.21010	-.02490	.00500	.00130	.00070	.06980	.01290	.19690	.10110	1.94680
2.990	10.920	.27120	-.03170	.00290	.00140	.00090	.06790	.01290	.25340	.11810	2.14600
2.990	13.000	.33630	-.03620	.00240	.00130	.00120	.06630	.01290	.31280	.14030	2.22900
2.990	15.080	.40210	-.04410	.00000	.00130	.00150	.06470	.01290	.37140	.16720	2.22130
2.990	17.190	.47440	-.05220	-.00300	.00230	.00160	.06260	.01280	.43470	.20000	2.17260
2.990	19.260	.54740	-.06180	-.00610	.00300	.00160	.05980	.01310	.49700	.23710	2.09620
2.990	21.270	.62040	-.07110	-.00820	.00340	.00170	.05730	.01350	.55730	.27850	2.00110
2.990	23.230	.69270	-.08070	.00420	.00140	.00090	.06790	.01300	.61490	.31840	2.19290
GRADIENT		.02636	-.00196	-.00055	.00002	.00010	-.00079	.00015	.02305	.00110	.31460

RUN NO. 106/ 0 RN/L = 5.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CEL	CAF	CAB	CL	CD	L/D
4.959	.640	-.03090	-.01270	.00670	.00090	.00000	.06430	.00220	-.03170	.06400	-.49540
4.959	2.570	.00980	-.01640	.00590	.00090	.00040	.06100	.00270	.00710	.06130	.11580
4.959	4.620	.04650	-.01700	.00540	.00070	.00060	.05990	.00290	.04150	.06350	.65390
4.959	6.670	.08370	-.01770	.00530	.00160	.00060	.05800	.00320	.07640	.06730	1.13480
4.959	8.680	.12690	-.02170	.00240	.00190	.00060	.05450	.00290	.11910	.07330	1.62450
4.959	10.720	.17620	-.02460	.00230	.00190	.00080	.05180	.00330	.16350	.08370	1.95300
4.959	12.780	.22840	-.02690	.00160	.00170	.00140	.04980	.00320	.20980	.09870	2.12600
4.959	14.800	.27940	-.03050	.00040	.00180	.00150	.04790	.00340	.25790	.11770	2.19120
4.959	16.880	.33820	-.03790	-.00300	.00220	.00160	.04650	.00340	.31010	.14270	2.17210
4.959	18.880	.39880	-.04350	-.00360	.00270	.00200	.04640	.00350	.36230	.17300	2.09410
4.959	20.820	.45920	-.05120	-.00710	.00270	.00190	.04620	.00350	.41280	.20650	1.99820
GRADIENT		.01943	-.00107	-.00032	-.00005	.00015	-.00110	.00018	.01838	-.00011	.28850

MS55 (FAS) NAR ATP ORB (BICIDIFIM1) (WIE1) (VIXIR1)

(R76324) (19 OCT 72)

REFERENCE DATA

SREF = 7.4180 SQ. IN. XMRP = 3.4530 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 BREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

BETA = .000 RUOOR = .000
 RUOFLR = 40.000

RUN NO. 173/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
.595	22.040	.87200	-.00750	-.01230	.00390	-.00150	.00820	.05120	.80520	.33490	2.40430
.595	23.950	.89220	-.00010	-.01760	.00600	-.00060	.00430	.05720	.81360	.36620	2.22180
.595	25.990	.93260	-.00030	-.01330	.00540	-.00130	.00490	.05890	.83610	.41320	2.02340
.595	28.060	.98590	-.00340	.00100	.00440	-.00850	.00480	.06330	.86760	.46810	1.85310
.595	30.120	1.04950	-.01610	.00170	.01130	-.01320	.00210	.06740	.90670	.52850	1.71330
.595	32.190	1.12690	-.02720	-.01070	.01620	-.01100	-.00160	.06840	.95440	.59910	1.59310
.595	34.270	1.20060	-.02640	-.01710	.01480	-.00530	-.00600	.07140	.99550	.67100	1.48340
.595	36.320	1.26120	-.02910	-.02260	.01510	-.00370	-.01380	.07430	1.02440	.73590	1.39200
.595	38.420	1.32510	-.03030	-.02540	.01330	-.00380	-.02130	.07470	1.05140	.80680	1.30310
.595	40.480	1.38700	-.03370	-.02640	.01280	-.00520	-.03200	.07740	1.07580	.87610	1.22780
.595	42.430	1.44410	-.03940	-.03070	.01280	-.00460	-.04030	.07820	1.09310	.94460	1.15710
.595	32.210	1.12810	-.02540	-.01120	.01540	-.01000	-.00150	.06860	.95530	.60000	1.59210
GRADIENT	.02974	-.00197	-.00102	.00054	-.00010	-.00226	.00128	.01566	.03075	-.05981	

RUN NO. 172/ 0 RN/L = 6.29 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
.902	22.840	.90900	.01300	-.01580	.00550	-.00180	.03400	.06580	.82450	.38430	2.14520
.902	24.830	.97050	.01430	-.01610	.00640	-.00030	.03250	.06780	.86710	.43700	1.98390
.902	26.960	1.05530	.00250	-.01660	.00860	-.00180	.03260	.06770	.92570	.50770	1.82340
.902	29.170	1.15360	-.01100	-.02470	.01130	-.00020	.03220	.06840	.99150	.59060	1.67880
.902	31.320	1.23370	-.01070	-.03400	.01190	.00500	.02740	.06950	1.03960	.66480	1.56380
.902	33.460	1.31190	-.01120	-.03650	.01210	.00670	.01900	.07220	1.08390	.73930	1.46610
.902	35.650	1.38670	-.00830	-.01860	.00810	-.00140	.00870	.07450	1.12330	.81660	1.37350
.902	37.730	1.44120	-.00920	-.00330	.00680	-.00830	-.00380	.07410	1.14210	.87900	1.29920
.902	39.640	1.50040	-.01560	-.00300	.00690	-.00850	-.01330	.07450	1.16180	.94950	1.22360
.902	41.960	1.57000	-.02180	-.01120	.00720	-.00490	-.02110	.07430	1.18150	1.03410	1.14240
.902	43.960	1.62920	-.02590	-.01880	.00680	-.00290	-.02600	.07450	1.19200	1.11090	1.07300
.902	33.460	1.31530	-.01060	-.03740	.01160	.00680	.01840	.07280	1.08710	.74060	1.46790
GRADIENT	.03445	-.00165	.00042	-.00005	-.00028	-.00324	.00045	.01791	.03448	-.04901	

M55 (FAS) WAR ATP ORB (BICIDIFINI) (NIE1) (VIKIR1)

(R70324) (19 OCT 72)

REFERENCE DATA

SREF = 7.4190 SQ. IN. XMRP = 3.4530 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 SREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

BETA = .000 RUDDER = .000
 RUDFLR = 40.000

RUN NO. 106/ 0 RN/L = 4.19 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
2.990	21.810	.61620	-.07080	-.00810	.00340	.00110	.05550	.01360	.55140	.28050	1.96530
2.990	23.760	.66900	-.07840	-.00950	.00420	.00130	.05360	.01390	.60890	.32690	1.86240
2.990	25.690	.76870	-.08920	-.01300	.00460	.00140	.05170	.01400	.66890	.36220	1.74980
2.990	26.000	.85430	-.10000	-.01510	.00510	.00160	.04980	.01410	.73090	.44510	1.64210
2.990	30.100	.93740	-.10990	-.01530	.00400	.00240	.04780	.01410	.78700	.51160	1.53840
2.990	32.200	1.02790	-.12060	-.01400	.00210	.00430	.04640	.01400	.84490	.58720	1.43890
2.990	34.340	1.12100	-.13120	-.01330	.00090	.00590	.04500	.01400	.90020	.66960	1.34440
2.990	36.420	1.20930	-.14090	-.01670	.00150	.00620	.04350	.01400	.94710	.75310	1.25740
2.990	38.570	1.30120	-.15170	-.02600	.00390	.00470	.04220	.01360	.99090	.84440	1.17330
2.990	40.660	1.38790	-.16140	-.03100	.00540	.00370	.04110	.01350	1.02590	.93570	1.09640
2.990	42.840	1.46850	-.16960	-.03340	.00540	.00360	.04040	.01350	1.05280	1.02450	1.02760
GRADIENT		.04138	-.00484	-.00109	.00001	.00020	-.00073	-.00002	.02464	.03604	-.04526

RUN NO. 107/ 0 RN/L = 5.32 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
4.959	21.420	.48740	-.04940	-.00940	.00230	.00190	.05740	.00220	.43260	.23150	1.66890
4.959	23.350	.55340	-.05440	-.01070	.00280	.00210	.05690	.00270	.48540	.27160	1.78710
4.959	25.420	.62620	-.06360	-.01300	.00250	.00230	.05730	.00280	.54090	.32060	1.68720
4.959	27.490	.70220	-.07260	-.01430	.00200	.00280	.05690	.00310	.59660	.37470	1.59200
4.959	29.530	.78080	-.08040	-.01500	.00220	.00340	.05690	.00300	.65120	.43440	1.49890
4.959	31.590	.86260	-.09300	-.01910	.00250	.00370	.05770	.00320	.70450	.50100	1.40610
4.959	33.660	.94560	-.10420	-.02140	.00280	.00370	.05870	.00330	.75440	.57310	1.31640
4.959	35.700	1.02820	-.11470	-.02430	.00330	.00370	.05910	.00330	.80040	.64610	1.23500
4.959	37.810	1.11620	-.12390	-.02500	.00360	.00390	.05900	.00320	.84560	.73090	1.15680
4.959	39.840	1.19870	-.13510	-.02730	.00410	.00400	.05910	.00320	.88240	.81350	1.08470
4.959	41.800	1.27960	-.14620	-.03080	.00390	.00410	.05840	.00310	.91490	.89650	1.02040
GRADIENT		.03914	-.00490	-.00105	.00009	.00011	.00011	.00004	.02404	.03285	-.04229

MS55 (PA3) MAR ATP ORB (B1C1D1F1H1) (W1E1) (V1K1R1)

(R76325) (03 NOV 72)

REFERENCE DATA

BREF = 7.4190 SQ. IN. YMRP = 3.4330 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 BREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

ALPHA = 10.000 CONFIG = 3.000
 RUDDER = .000 RUOFLR = 40.000
 ELEVTR = .000 CDELEV = .000
 IBOELV = .000 ATLRCN = .000
 CDBAIL = .000 IBOAIL = .000

RUN NO. 179/ 0 RN/L = 4.87 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CSL	CAF	CAB	CL	CD	L/D
.996	-10.070	.48960	-.00620	.15740	-.01090	.02170	.01880	.03010	.47670	.11310	4.21460
.996	-8.150	.49650	-.00360	.12080	-.00920	.01930	.02070	.02950	.48310	.11630	4.15240
.996	-6.110	.50850	-.00340	.08500	-.00720	.01560	.02010	.02870	.49500	.11820	4.18790
.996	-4.050	.51570	-.00140	.05170	-.00510	.01210	.01900	.02870	.50230	.11860	4.23420
.996	-2.010	.51940	.00060	.01800	-.00160	.00820	.01730	.02930	.50610	.11770	4.29880
.996	.010	.52790	.00260	-.01300	.00020	.00520	.01580	.03060	.51480	.11800	4.36110
.996	2.040	.53210	.00500	-.03970	.00230	.00160	.01500	.03130	.51900	.11810	4.39380
.996	4.080	.53580	.00260	-.07490	.00520	-.00240	.01150	.03370	.52140	.11800	4.53260
.996	6.130	.54000	.00410	-.10630	.00870	-.00600	.01340	.03210	.52710	.11820	4.45890
.996	8.150	.54110	.00060	-.14190	.01170	-.00950	.01300	.03200	.52820	.11800	4.47640
.996	10.110	.54250	.00010	-.17350	.01340	-.01290	.01160	.03390	.52990	.11680	4.53460
.996	.010	.52630	.00370	-.01300	.00040	.00450	.01570	.03120	.51320	.11760	4.36280
GRADIENT		.00241	.00061	-.01531	.00121	-.00175	-.00085	.00059	.00232	-.00034	.03407

RUN NO. 188/ 0 RN/L = 6.70 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CSL	CAF	CAB	CL	CD	L/D
1.200	-10.350	.62660	-.07760	.15180	-.00160	.02720	.07660	.04440	.59720	.20440	2.92100
1.200	-8.340	.64220	-.07320	.11460	-.00150	.02490	.07760	.04370	.61210	.20900	2.92800
1.200	-6.230	.65330	-.07270	.07720	-.00130	.02010	.07890	.04280	.62460	.21350	2.92530
1.200	-4.120	.66720	-.07350	.04120	.00050	.01420	.08020	.04160	.63580	.21750	2.92310
1.200	-2.040	.67520	-.07070	.00800	.00300	.00800	.08120	.04190	.64340	.22040	2.91840
1.200	.050	.68270	-.07110	-.02150	.00340	.00270	.08210	.04200	.65050	.22300	2.91590
1.200	2.110	.69200	-.07140	-.04970	.00400	-.00240	.08150	.04280	.65960	.22460	2.93640
1.200	4.170	.69510	-.07250	-.07940	.00560	-.00800	.08050	.04220	.66280	.22440	2.95310
1.200	6.290	.70020	-.07410	-.11290	.00740	-.01450	.07880	.04510	.66810	.22390	2.98400
1.200	8.360	.69940	-.07400	-.14720	.00800	-.02060	.07920	.04570	.66730	.22400	2.97830
1.200	10.410	.69360	-.07580	-.18050	.00700	-.02500	.07880	.04640	.66170	.22220	2.97700
1.200	.040	.68300	-.06950	-.02260	.00340	.00210	.08260	.04110	.65060	.22370	2.90800
GRADIENT		.00350	.00006	-.01442	.00054	-.00264	.00004	.00010	.00339	.00067	.00376

M555 (PAS) WAR ATP ORB (SICIDIFINI) (MIEI) (VIRIRI)

(M76325) (03 NOV 72)

REFERENCE DATA

SREF = 7.4190 SQ. IN. XMRP = 3.4530 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 SREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

ALPHA = 10.000 CONFIG = 3.000
 RUDDER = .000 RUDDLR = 40.000
 ELEVTR = .000 CBDELV = .000
 IBDELV = .000 AILRON = .000
 CBDAIL = .000 IBDAIL = .000

RUN NO. 113/ 0 RN/L = 4.14 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
2.990	-10.150	.26480	-.03470	.13300	.00420	.06860	.06740	.01340	.24720	.11630	2.12470
2.990	-8.200	.27000	-.03710	.10420	.00330	.00700	.06660	.01340	.25230	.11660	2.16480
2.990	-6.130	.27320	-.03560	.07550	.00200	.00610	.06640	.01330	.25560	.11700	2.18470
2.990	-4.080	.27740	-.03500	.04810	.00120	.00420	.06640	.01310	.25980	.11780	2.20520
2.990	-2.040	.28090	-.03460	.02180	.00090	.00260	.06640	.01310	.26310	.11850	2.22040
2.990	.000	.28030	-.03370	-.00630	.00150	.00040	.06660	.01300	.26250	.11860	2.21310
2.990	2.040	.28270	-.03230	-.03320	.00190	-.00170	.06740	.01300	.26470	.11980	2.20940
2.990	4.070	.28340	-.03460	-.06050	.00150	-.00380	.06740	.01290	.26350	.12000	2.21250
2.990	6.180	.28290	-.03460	-.08780	.00060	-.00560	.06770	.01290	.26490	.12020	2.20290
2.990	8.210	.28040	-.03400	-.11520	-.00080	-.00720	.06610	.01320	.26240	.12010	2.18440
2.990	10.160	.27980	-.03430	-.14380	-.00190	-.00880	.06850	.01350	.26150	.12030	2.17280
GRADIENT		.00068	.00016	-.01336	.00008	-.00100	.00015	-.00002	.00064	.00028	.00018

RUN NO. 114/ 0 RN/L = 4.87 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
4.959	-10.010	.16980	-.02360	.10110	.00600	.00770	.06110	.00300	.15540	.09170	1.69530
4.959	-8.100	.17400	-.02320	.07990	.00460	.00670	.05890	.00320	.15990	.09030	1.77130
4.959	-6.060	.17950	-.02630	.05810	.00340	.00560	.05830	.00190	.16550	.09070	1.82490
4.959	-4.040	.18080	-.02620	.03630	.00200	.00450	.05580	.00260	.16710	.08830	1.89190
4.959	-2.020	.18700	-.02690	.01690	.00160	.00250	.05390	.00280	.17370	.08780	1.97790
4.959	.000	.18690	-.02670	-.00550	.00140	.00020	.05360	.00290	.17370	.08750	1.98390
4.959	2.040	.18910	-.02370	-.02350	.00010	-.00180	.05380	.00300	.17580	.08800	1.99610
4.959	4.040	.18750	-.02340	-.04490	-.00020	-.00380	.05630	.00350	.17370	.09020	1.92560
4.959	6.100	.18650	-.02360	-.06690	-.00140	-.00560	.05780	.00330	.17250	.09150	1.88360
4.959	8.110	.18400	-.02530	-.08770	-.00280	-.00690	.05940	.00350	.16970	.09260	1.83110
4.959	10.090	.18220	-.02190	-.10700	-.00410	-.00780	.06170	.00360	.16750	.09460	1.77090
GRADIENT		.00079	.00014	-.01023	-.00029	-.00102	.00006	.00008	.00076	.00020	.00425

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MSFC TWT 335

PAGE 07

M335 (FAS) MAR ATP CRB (BIC10SF1M1) (WIE1) (V1K1R1)

(R76326) (03 NOV 72)

REFERENCE DATA

BREF = 7.4190 IN. XMRP = 3.4530 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 BREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

ALPHA = 20.000 CONFIG = 3.000
 RUDDER = .000 RUOFLR = 40.000
 ELEVTR = .000 OBOELV = .000
 IBOELV = .000 ATLROD = .000
 OBDAIL = .000 IBDAIL = .000

RUN NO. 167/ 0 RN/L = 4.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CSL	CAF	CAB	CL	CD	L/D
.895	-10.070	.87710	-.01460	.14330	-.00660	.01230	.00190	.04360	.81390	.32680	2.49020
.895	-8.130	.88150	-.01000	.11150	-.00530	.00820	.00290	.04630	.81760	.32950	2.48130
.895	-6.110	.88200	-.00660	.07960	-.00450	.00430	.00450	.04630	.81750	.33110	2.46860
.895	-4.040	.88450	-.00510	.03970	-.00170	.00000	.00320	.04990	.82030	.33090	2.47830
.895	-2.010	.88140	-.00010	.00530	.00150	-.00400	.00430	.05180	.81700	.33080	2.46950
.895	.020	.87510	.00660	-.02590	.00420	-.00520	.00400	.05500	.81120	.32820	2.47130
.895	2.030	.87310	.00830	-.05210	.00580	-.00560	.00410	.05500	.80940	.32750	2.47090
.895	4.060	.86820	.00840	-.08160	.00740	-.00570	.00260	.05370	.80540	.32430	2.48330
.895	6.140	.87090	.00490	-.11400	.00860	-.00820	.00410	.04980	.80730	.32660	2.47150
.895	8.170	.86480	.00190	-.15320	.00950	-.00820	.00340	.04570	.82040	.33140	2.47560
.895	10.160	.80320	-.00110	-.18920	.00920	-.00640	-.00010	.04410	.83870	.33510	2.50300
.895	.020	.87150	.00670	-.02670	.00410	-.00490	.00430	.05460	.80770	.32710	2.46910
GRADIENT		-.00202	.00175	-.01481	.00111	-.00064	-.00007	.00053	-.00185	-.00081	.00056

RUN NO. 112/ 0 RN/L = 4.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CSL	CAF	CAB	CL	CD	L/D
2.990	-10.130	.81310	-.06940	.10630	.01330	.01690	.05820	.01370	.34900	.27910	1.96690
2.990	-8.200	.82020	-.07180	.08100	.01210	.01350	.05650	.01390	.35620	.28020	1.98460
2.990	-6.130	.82710	-.07560	.05410	.01050	.00990	.05520	.01420	.36300	.28150	1.99970
2.990	-4.080	.83020	-.07490	.02850	.00850	.00680	.05460	.01420	.36640	.28230	2.00620
2.990	-2.030	.83260	-.07430	.00540	.00580	.00390	.05490	.01390	.36840	.28340	2.00510
2.990	.010	.83590	-.07400	-.01490	.00240	.00100	.05420	.01360	.37150	.28390	2.01260
2.990	2.060	.83820	-.07440	-.03590	-.00140	-.00170	.05460	.01350	.37350	.28530	2.01020
2.990	4.110	.84040	-.07600	-.05830	-.00470	-.00460	.05490	.01380	.37540	.28630	2.00950
2.990	6.220	.84090	-.07580	-.08190	-.00730	-.00800	.05520	.01400	.37580	.28680	2.00710
2.990	8.230	.84110	-.07300	-.10690	-.00910	-.01160	.05660	.01420	.37550	.28820	1.99620
2.990	10.180	.83730	-.07050	-.13280	-.01060	-.01520	.05820	.01410	.37130	.28830	1.98140
GRADIENT		.00123	-.00011	-.01050	-.00163	-.00139	.00001	-.00006	.00113	.00048	.00057

N055 (FAS) MAR ATP ORB (BICIDIFIMS) (WEE1) (VIXIR1)

(R76326) (03 NOV 72)

REFERENCE DATA

WREF = 7.4190 30.IN. WARP = 3.4530 IN.
 LREF = 2.1020 IN. YARP = .0000 IN.
 SREF = 4.0300 IN. ZARP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

ALPHA = 20.000 CONFIG = 3.000
 RUDDER = .000 RUOFLR = 40.000
 ELEVTR = .000 CROELV = .000
 IROELV = .000 AIRCON = .000
 ORDAIL = .000 IROAIL = .000

RUN NO. 111/ 0 RN/L = 4.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CH	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
4.959	-10.020	.48540	-.05170	.07460	.01230	.01250	.05640	.00250	.43240	.22760	1.89980
4.959	-8.100	.49300	-.05960	.05690	.01100	.01050	.05320	.00300	.44080	.22740	1.93710
4.959	-6.050	.49910	-.05400	.03660	.00900	.00820	.05070	.00310	.44730	.22730	1.96780
4.959	-4.050	.50320	-.05340	.01980	.00690	.00600	.04880	.00340	.45180	.22680	1.99170
4.959	-2.010	.50740	-.05560	.00230	.00480	.00330	.04690	.00340	.45630	.22680	2.01150
4.959	.000	.51010	-.05420	-.01170	.00200	.00060	.04730	.00340	.45870	.22820	2.00990
4.959	2.050	.51270	-.05640	-.02750	-.00150	-.00170	.04730	.00340	.46100	.22910	2.01180
4.959	4.050	.51300	-.05540	-.04280	-.00430	-.00440	.04810	.00360	.46110	.22990	2.00500
4.959	6.110	.51090	-.05480	-.06140	-.00680	-.00710	.05020	.00360	.45830	.23120	1.98220
4.959	8.110	.50930	-.05210	-.07830	-.00820	-.00970	.05280	.00380	.45590	.23300	1.95650
4.959	10.060	.50720	-.05220	-.09800	-.01020	-.01200	.05490	.00370	.45320	.23420	1.93460
	GRADIENT	.00123	-.00023	-.00767	-.00141	-.00128	-.00003	.00002	.00115	.00042	.00133

M555 (P43) MAR ATP ORB (BIC101F1M1) (WIE1) (V1K1R1)

(R76327) (03 NOV 72)

REFERENCE DATA

BREF = 7.4190 SQ. IN. XMRP = 3.4530 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 BREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

ALPHA = 30.000 CONFIG = 3.000
 RUDDER = .000 RUDFLR = 40.000
 ELEVTR = .000 CBDELV = .000
 IBDELV = .000 AILRON = .000
 CBDAIL = .000 IBDAIL = .000

RUN NO. 166/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CSL	CAF	CAB	CL	CD	L/D
.594	-10.090	1.10870	-.03560	.04710	.03200	.01790	-.02210	.07040	.95020	.57160	1.66220
.594	-8.150	1.14980	-.04010	.02920	.02640	.01910	-.02200	.06970	.98120	.59210	1.65710
.594	-6.110	1.17070	-.03490	.00870	.02430	.01210	-.01790	.06850	.99980	.60930	1.64070
.594	-4.080	1.18830	-.02840	-.00450	.02560	-.00110	-.01260	.06890	.99320	.61140	1.62440
.594	-2.050	1.16440	-.01980	-.01380	.01990	-.00700	-.01030	.07090	.99030	.61240	1.61690
.594	.000	1.16210	-.01040	-.03320	.01080	-.00470	-.00920	.07330	.98780	.61230	1.61320
.594	2.070	1.16030	-.00810	-.05470	.00090	-.00130	-.00970	.07460	.98650	.61100	1.61450
.594	4.100	1.15890	-.01320	-.07340	-.00570	-.00120	-.01090	.07270	.98560	.60900	1.61630
.594	6.190	1.17050	-.02390	-.09610	-.01110	-.00210	-.01960	.07500	1.00040	.60800	1.64520
.594	8.190	1.18670	-.03260	-.10750	-.01390	-.00780	-.02670	.07750	1.00280	.60080	1.66890
.594	10.120	1.17110	-.03710	-.11870	-.01850	-.01320	-.03070	.07870	1.00710	.59850	1.68250
.594	.000	1.18150	-.01020	-.03400	.01080	-.00530	-.00870	.07330	.98690	.61240	1.61150
GRADIENT		-.00096	.00186	-.00873	-.00399	.00027	.00021	.00055	-.00093	-.00030	-.00071

RUN NO. 109/ 0 RN/L = 4.16 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CSL	CAF	CAB	CL	CD	L/D
2.990	-10.110	1.02150	-.11650	.08920	.01350	.02460	.05060	.01390	.83740	.58720	1.42590
2.990	-8.180	1.03070	-.11940	.06600	.01310	.02070	.04890	.01410	.84600	.59080	1.43170
2.990	-6.110	1.03860	-.12210	.04210	.01060	.01640	.04750	.01420	.85330	.59390	1.43650
2.990	-4.040	1.04400	-.12640	.01930	.00780	.01220	.04640	.01420	.85850	.59600	1.44040
2.990	-2.010	1.04700	-.12660	.00020	.00400	.00810	.04570	.01410	.86130	.59700	1.44250
2.990	.020	1.04680	-.12740	-.02090	.00160	.00290	.04490	.01400	.86320	.59730	1.44510
2.990	2.090	1.05310	-.12640	-.04730	.00100	-.00320	.04530	.01390	.86660	.60010	1.44400
2.990	4.120	1.05440	-.12620	-.06910	-.00140	-.00860	.04630	.01400	.86720	.60160	1.44130
2.990	6.210	1.05540	-.12470	-.08950	-.00510	-.01330	.04760	.01410	.86730	.60330	1.43740
2.990	8.230	1.05350	-.12100	-.11030	-.00820	-.01750	.04800	.01430	.86540	.60270	1.43590
2.990	10.180	1.04920	-.11680	-.13330	-.01080	-.02170	.04890	.01440	.86130	.60110	1.43270
GRADIENT		.00132	.00003	-.01101	-.00105	-.00259	-.00003	-.00003	.00111	.00070	.00016

N855 (PAS) NAR ATP CRB (B1C1D1F1M1) (M1E1) (V1K1R1)

(R76327) (03 NOV 72)

REFERENCE DATA

SREF = 7.4190 SQ. IN. XMRP = 3.4530 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 SREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

ALPHA = 30.000 CONFIG = 3.000
 RUDDER = .000 RUOFLR = 40.000
 ELEVTR = .000 OBOELV = .000
 IBOELV = .000 AILRON = .000
 OBOAIL = .000 IBOAIL = .000

RUN NO. 110/ 0 RN/L = 4.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
4.959	-10.010	.87460	-.09150	.05630	.01340	.02070	.05560	.00250	.71570	.90570	1.41520
4.959	-8.080	.86150	-.09370	.04150	.01160	.01710	.05370	.00280	.72260	.90770	1.42510
4.959	-6.040	.89050	-.09770	.02350	.00900	.01340	.05200	.00300	.73110	.91110	1.43040
4.959	-4.000	.89870	-.10060	.00610	.00690	.00950	.05070	.00320	.73710	.91320	1.43610
4.959	-2.000	.90220	-.09960	-.00730	.00440	.00610	.04950	.00320	.74230	.91520	1.44070
4.959	.010	.90270	-.10190	-.02360	.00180	.00230	.04850	.00320	.74330	.91460	1.44440
4.959	2.050	.90580	-.10030	-.03700	-.00070	-.00240	.04860	.00320	.74580	.91630	1.44440
4.959	4.050	.90560	-.09730	-.04990	-.00320	-.00630	.04830	.00320	.74580	.91600	1.44530
4.959	6.110	.90430	-.09670	-.06500	-.00550	-.01050	.05000	.00330	.74390	.91670	1.43950
4.959	8.120	.90260	-.09770	-.08350	-.00790	-.01450	.05170	.00330	.74160	.91740	1.43340
4.959	10.060	.90020	-.09390	-.09930	-.00970	-.01790	.05340	.00350	.73850	.91740	1.42710
	GRADIENT	.00106	.00029	-.00703	-.00126	-.00199	-.00028	-.00000	.00104	.00033	.00110

M555 (FAS) NAR ATP CR6 (81C101P1M1) (M1E1) (V1K1R1)

(R76326) (03 NOV 72)

REFERENCE DATA

BREF = 7.4180 SQ. IN. XMRP = 3.4530 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 BREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

BETA = .000 CONFIG = 3.000
 RUDDER = 15.000 RUOPLR = 10.000
 ELEVTR = .000 OBDELV = .000
 ISDELV = .000 AILRON = .000
 OBDAIL = .000 ISDAIL = .000

RUN NO. 157/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
.500	.670	-.03090	.03150	.07690	-.02770	.01450	.03430	.02710	-.03130	.03400	-.92130
.500	2.670	.05340	.02700	.07600	-.02690	.01510	.03280	.02690	.03380	.03540	1.52070
.500	4.770	.15080	.02010	.07310	-.02580	.01490	.02850	.02610	.14790	.04100	3.60650
.500	6.690	.25140	.01120	.07140	-.02530	.01460	.02280	.02500	.24690	.05280	4.66670
.500	9.010	.36870	-.00190	.06870	-.02510	.01510	.01670	.02600	.36150	.07430	4.66240
.500	11.110	.47360	-.01300	.06460	-.02460	.01510	.01390	.02660	.46200	.10500	4.39910
.500	13.220	.56210	-.02440	.06260	-.02450	.01370	.00950	.02970	.56450	.14250	3.95960
.500	15.290	.66530	-.02910	.05950	-.02490	.01360	.00870	.03180	.63940	.18390	3.47530
.500	17.440	.75990	-.02960	.05910	-.02560	.01430	.00600	.03730	.72320	.23350	3.05640
.500	19.490	.83020	-.02920	.06110	-.02720	.01290	.00440	.04310	.78110	.28130	2.77640
.500	21.490	.88260	-.02700	.06040	-.02730	.01020	.00640	.04710	.81900	.32950	2.48540
.500	11.120	.47470	-.01160	.06420	-.02430	.01460	.01350	.02730	.46320	.10460	4.41760
GRADIENT		.04433	-.00278	-.00093	.00046	.00010	-.00142	-.00025	.04372	.00172	1.10342

RUN NO. 158/ 0 RN/L = 6.26 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
.903	.610	-.09080	.06510	.07410	-.02650	.01270	.04130	.03250	-.09130	.04030	-2.26170
.903	2.700	.00990	.06050	.06730	-.02500	.01320	.04090	.03130	.00790	.04130	.19290
.903	4.940	.13730	.04570	.06650	-.02440	.01300	.03400	.03120	.13360	.04570	2.92340
.903	7.160	.26600	.02690	.06140	-.02400	.01330	.03190	.03110	.26190	.06510	4.02200
.903	9.360	.37960	.01800	.05770	-.02330	.01400	.03370	.03190	.36910	.09500	3.88420
.903	11.570	.49970	.00320	.05030	-.02190	.01520	.03400	.03590	.48270	.13360	3.61200
.903	13.730	.61780	-.01450	.04560	-.02150	.01730	.03370	.03880	.59200	.17970	3.29400
.903	15.930	.71690	-.02280	.04000	-.02110	.01690	.03310	.04540	.68220	.22920	2.97580
.903	18.160	.82320	-.02270	.04500	-.02590	.01340	.03690	.05380	.77060	.29180	2.64070
.903	20.280	.86950	-.00990	.05260	-.02530	.00490	.03500	.06220	.80410	.33240	2.41870
.903	22.340	.93560	-.00290	.04750	-.02460	.00890	.03740	.06470	.85110	.39030	2.18080
.903	11.560	.50020	-.00020	.05550	-.02230	.01510	.03210	.03480	.48560	.13170	3.67020
GRADIENT		.05273	-.00451	-.00174	.00048	.00007	-.00170	-.00030	.05204	.00126	1.19774

MS55 (PAS) WAR ATP CRB (B1C1D1F1M1) (M1E1) (V1K1R1)

(RT6326) (03 NOV 72)

REFERENCE DATA

SREF = 7.4190 SQ. IN. XMRP = 3.4530 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 BREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

BETA = .000 CONFIG = 3.000
 RUDDER = 19.000 RUOFLR = 10.000
 ELEVTR = .000 CBOELV = .000
 IBOELV = .000 AILRON = .000
 CBOAIL = .000 IBOAIL = .000

RUN NO. 139/ 0 RN/L = 6.69 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
1.196	.770	-.01630	.06440	.06290	-.02430	.01320	.07440	.04700	-.01930	.07420	-.26110
1.196	2.910	.11220	.03370	.03620	-.02310	.01370	.07400	.04680	.10830	.07960	1.35950
1.196	5.170	.25380	-.00200	.05430	-.02150	.01320	.07400	.04580	.24610	.09660	2.54710
1.196	7.430	.38760	-.03190	.04860	-.02030	.01300	.07520	.04250	.37460	.12480	2.99940
1.196	9.700	.51630	-.05710	.04380	-.01900	.01250	.07480	.04300	.49630	.16070	3.08730
1.196	11.960	.64790	-.08130	.03820	-.01820	.01150	.07560	.04300	.61810	.20830	2.96700
1.196	14.210	.77400	-.10020	.03410	-.01770	.01150	.07610	.04560	.73160	.26390	2.77230
1.196	16.420	.87370	-.10520	.02790	-.01590	.01450	.07560	.04940	.81660	.31960	2.55440
1.196	18.710	.97410	-.10620	.02920	-.01690	.01140	.07590	.05340	.89820	.38460	2.33550
1.196	20.920	1.06190	-.11990	.02620	-.01940	.01140	.07400	.05660	.98410	.45560	2.16000
1.196	23.000	1.14290	-.11490	.02430	-.01770	.01040	.06970	.05960	1.02480	.51080	2.00600
1.196	11.970	.65270	-.08160	.03790	-.01830	.01160	.07560	.04300	.62280	.20940	2.97430
GRADIENT		.06098	-.01435	-.00201	.00056	.00023	-.00019	-.00009	.05963	.00252	.75729

RUN NO. 146/ 0 RN/L = 6.83 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
1.956	.750	.01520	.00490	.04200	-.01440	.00770	.07570	.02540	.01420	.07590	.18770
1.956	2.800	.09450	-.00840	.03940	-.01360	.00710	.07490	.02560	.09070	.07940	1.14160
1.956	5.020	.18060	-.02380	.03600	-.01270	.00720	.07550	.02560	.17330	.09110	1.90260
1.956	7.200	.26160	-.03760	.03310	-.01160	.00710	.07470	.02660	.25020	.10690	2.33910
1.956	9.400	.34520	-.05130	.03090	-.01100	.00720	.07450	.02670	.32840	.12990	2.52760
1.956	11.570	.42320	-.06320	.02830	-.01000	.00700	.07350	.02590	.39980	.15690	2.54740
1.956	13.760	.50120	-.07430	.02550	-.00960	.00730	.07190	.02600	.46970	.18910	2.48350
1.956	15.920	.57820	-.08290	.02310	-.00960	.00780	.07010	.02630	.53680	.22610	2.37350
1.956	18.150	.65980	-.08900	.01930	-.00980	.00810	.37030	-.27560	.51160	.55740	.91780
1.956	20.310	.73010	-.09380	.01550	-.00850	.00860	.06510	.02630	.66210	.31450	2.10480
1.956	22.430	.80940	-.10200	.01160	-.00720	.00990	.06210	.02700	.72450	.36630	1.97770
1.956	11.950	.41530	-.05960	.02760	-.00990	.00670	.07240	.02580	.59240	.15420	2.54440
GRADIENT		.03868	-.00849	-.00127	.00039	-.00029	-.00039	.00010	.03732	.00171	.46532

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MS95 (FAS) MAR ATP CRB (SICIDIFIMI) (WIE1) (VIRIR1)

(RT6328) (03 NOV 72)

REFERENCE DATA

SREF = 7.4190 SQ. IN. XMRP = 3.4530 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 SREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

BETA = .000 CONFIG = 3.000
 RUDDER = 15.000 RUOFLR = 10.000
 ELEVTR = .000 CBDELV = .000
 ISDELV = .000 AILRON = .000
 CBDAIL = .000 ISDAIL = .000

RUN NO. 129/ 0 RN/L = 4.12 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
2.990	.670	-.00630	-.01030	.02480	-.00760	.00400	.07130	.01250	-.00910	.07120	-.12850
2.990	2.610	.04120	-.01400	.02370	-.00720	.00400	.06990	.01280	.03800	.07180	.32990
2.990	4.700	.09730	-.01820	.02260	-.00700	.00420	.06860	.01300	.09130	.07630	1.19600
2.990	6.770	.15210	-.02360	.02060	-.00670	.00420	.06690	.01320	.14320	.08440	1.69990
2.990	8.850	.21240	-.02980	.01840	-.00650	.00420	.06520	.01330	.19980	.09710	2.05770
2.990	10.920	.27350	-.03600	.01730	-.00660	.00450	.06310	.01340	.25650	.11380	2.25300
2.990	13.020	.33610	-.03980	.01620	-.00620	.00490	.06190	.01330	.31550	.13650	2.30990
2.990	15.080	.40310	-.04670	.01360	-.00570	.00490	.05960	.01330	.37370	.16240	2.29980
2.990	17.210	.47740	-.05560	.01000	-.00450	.00490	.05740	.01320	.43800	.19620	2.23760
2.990	19.280	.55120	-.06600	.00500	-.00300	.00450	.05510	.01350	.50210	.23400	2.14510
2.990	21.270	.62400	-.07470	.00260	-.00220	.00430	.05450	.01270	.56170	.27720	2.02630
GRADIENT		.02621	-.00196	-.00055	.00015	.00005	-.00067	.00012	.02492	.00128	.32653

RUN NO. 130/ 0 RN/L = 4.65 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
4.959	.660	-.02990	-.01420	.01480	-.00350	.00250	.06410	.00260	-.03070	.06370	-.46190
4.959	2.570	.00850	-.01930	.01300	-.00370	.00240	.06100	.00290	.00580	.06130	.09460
4.959	4.600	.04680	-.02070	.01130	-.00360	.00240	.05990	.00320	.04180	.06350	.65910
4.959	6.650	.08670	-.02060	.01120	-.00280	.00260	.05750	.00340	.07940	.06720	1.18140
4.959	8.680	.13330	-.02600	.00770	-.00250	.00250	.05430	.00330	.12360	.07380	1.67320
4.959	10.720	.18010	-.02920	.00930	-.00220	.00270	.05190	.00350	.16730	.08450	1.97780
4.959	12.760	.23470	-.03190	.00580	-.00190	.00300	.05030	.00360	.21760	.10100	2.15580
4.959	14.800	.28970	-.03360	.00560	-.00120	.00310	.04820	.00360	.26770	.12060	2.21830
4.959	16.890	.35230	-.03990	.00230	-.00040	.00280	.04690	.00370	.32340	.14730	2.19530
4.959	18.910	.41460	-.04630	.00000	.00010	.00290	.04620	.00380	.37720	.17820	2.11700
4.959	20.880	.48020	-.05440	-.00500	.00080	.00280	.04590	.00370	.43250	.21410	2.01870
GRADIENT		.01946	-.00164	-.00089	-.00002	-.00003	-.00106	.00015	.01859	-.00004	.28947

M555(PAS) NAR ATP CRB (B1C1D1F1H1) (W1E1) (V1K1R1)

(R76329) (03 NOV 72)

REFERENCE DATA

BREF = 7.4190 30. IN. XMRP = 3.4550 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 BREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

BETA = .000 CONFIG = 3.000
 RUDDER = 15.000 RUOFLR = 10.000
 ELEVTR = .000 OBOELV = .000
 IBOELV = .000 ATLRCN = .000
 OBOAIL = .000 IBOAIL = .000

RUN NO. 156/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CSL	CAF	CAB	CL	CD	L/D
.993	22.010	.87960	-.01790	.04220	-.02200	.00930	.00330	.04980	.81420	.33290	2.44640
.993	23.940	.89880	-.01190	.03830	-.02030	.01160	.00270	.05340	.82020	.36710	2.23400
.993	25.960	.94070	-.01200	.04930	-.02270	.01010	.00180	.05630	.84490	.41360	2.04240
.993	28.040	.98370	-.01710	.06870	-.02370	.00190	-.00050	.06190	.86840	.46210	1.87930
.993	30.110	1.05190	-.03140	.05980	-.01440	-.00050	-.00530	.06790	.91230	.52290	1.74470
.993	32.180	1.12760	-.03680	.04200	-.01180	.00440	-.00770	.07010	.95840	.59400	1.61330
.993	34.230	1.19340	-.03660	.02580	-.01310	.01260	-.01050	.07200	.99230	.66310	1.49850
.993	36.340	1.27300	-.03610	.01980	-.01400	.01480	-.01520	.07500	1.03440	.74210	1.39390
.993	38.460	1.35060	-.04020	.01530	-.01430	.01290	-.02370	.07740	1.07230	.82140	1.30330
.993	40.500	1.41360	-.04960	.01260	-.01120	.00910	-.03140	.07750	1.09530	.89420	1.22480
.993	42.490	1.47860	-.04880	.01040	-.00880	.00690	-.04100	.08070	1.11790	.96860	1.15410
.993	32.200	1.13480	-.03600	.04470	-.01180	.00450	-.00800	.07050	.96450	.59800	1.61290
GRADIENT		.03091	-.00184	-.00219	.00065	.00011	-.00207	.00152	.01638	.03181	-.06136

RUN NO. 155/ 0 RN/L = 6.27 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CSL	CAF	CAB	CL	CD	L/D
.900	22.600	.91200	.00380	.03980	-.02040	.00920	.03330	.06230	.82780	.38410	2.15480
.900	24.860	.98890	-.00060	.03930	-.02050	.01290	.03170	.06620	.86390	.44460	1.98790
.900	27.020	1.07580	-.01220	.03210	-.01790	.01430	.02860	.06880	.94530	.51420	1.83820
.900	29.140	1.15900	-.02190	.01730	-.01470	.01660	.02560	.06850	.99970	.58690	1.70310
.900	31.290	1.23530	-.01970	-.01040	-.01050	.02630	.02170	.06810	1.04430	.66020	1.58170
.900	33.480	1.32300	-.02340	-.01980	-.00990	.02910	.01870	.06930	1.09480	.74670	1.46620
.900	35.610	1.40230	-.02500	-.01600	-.01200	.02490	.00920	.07320	1.13470	.82410	1.37690
.900	37.690	1.48460	-.02080	-.00180	-.01380	.01350	-.00320	.07650	1.16090	.89300	1.30000
.900	39.860	1.52750	-.02760	.01090	-.00840	.00260	-.01220	.07670	1.17990	.97020	1.21610
.900	41.950	1.56430	-.02850	.00880	-.00900	.00170	-.02000	.07580	1.19160	1.04420	1.14120
.900	44.020	1.65370	-.03040	.00120	-.00300	.00170	-.02650	.07440	1.20740	1.13020	1.06820
.900	35.460	1.32250	-.02960	-.02180	-.00870	.02870	.01720	.06950	1.09380	.74350	1.47100
GRADIENT		.03508	-.00141	-.00181	.00076	-.00055	-.00298	.00061	.01812	.03528	-.04991

MISS (FAS) WAR ATP ORS (BIC101F1M1) (WIE1) (VIKIR1)

(R76329) (03 NOV 72)

REFERENCE DATA

SREF = 7.4190 30. IN. XMRP = 3.4530 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 SREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

BETA = .000 CONFIG = 3.000
 RUDDER = 15.000 RUOFLR = 10.000
 ELEVTR = .000 CBOELV = .000
 BOELV = .000 AILRON = .000
 CBOAIL = .000 BOATL = .000

RUN NO. 126/ 0 RN/L = 4.12 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
2.990	21.810	.61750	-.07500	.00250	-.00210	.00430	.05200	.01380	.55400	.27770	1.99470
2.990	23.770	.69050	-.06340	-.00060	-.00120	.00410	.05050	.01400	.61150	.32460	1.88360
2.990	25.990	.77210	-.09340	-.00470	.00000	.00390	.04860	.01430	.67330	.38090	1.76740
2.990	28.000	.85700	-.10300	-.00870	.00120	.00370	.04760	.01440	.73430	.44430	1.65250
2.990	30.100	.94020	-.11040	-.00990	.00130	.00420	.04640	.01420	.79010	.51170	1.54390
2.990	32.200	1.02770	-.12020	-.01080	-.00010	.00560	.04570	.01420	.84520	.58650	1.44100
2.990	34.340	1.11990	-.12930	-.01170	-.00040	.00670	.04470	.01420	.89940	.66870	1.34490
2.990	36.420	1.20970	-.14130	-.01580	.00040	.00700	.04340	.01440	.94750	.75330	1.25780
2.990	38.590	1.30240	-.15340	-.02440	.00250	.00590	.04220	.01370	.99150	.84560	1.17260
2.990	40.660	1.38900	-.16190	-.02950	.00410	.00510	.04020	.01380	1.02740	.93570	1.09800
2.990	42.660	1.46950	-.16940	-.03350	.00500	.00450	.03970	.01380	1.05360	1.02510	1.02780
GRADIENT		.04126	-.00460	-.00180	.00026	.00009	-.00057	-.00001	.02447	.03616	-.04653

RUN NO. 127/ 0 RN/L = 4.84 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
4.959	21.420	.49860	-.05180	-.00400	.00050	.00310	.04660	.00320	.44700	.22560	1.98160
4.959	23.350	.56630	-.05930	-.00740	.00130	.00300	.04570	.00340	.50180	.28650	1.88260
4.959	25.410	.64010	-.06680	-.00980	.00110	.00320	.04630	.00360	.55830	.31650	1.78380
4.959	27.500	.72040	-.07550	-.01220	.00130	.00380	.04640	.00360	.61750	.37390	1.65130
4.959	29.540	.80060	-.08580	-.01510	.00180	.00390	.04750	.00360	.67300	.43610	1.54330
4.959	31.600	.88590	-.09600	-.01750	.00230	.00390	.04730	.00360	.72960	.50480	1.44580
4.959	33.680	.97360	-.10580	-.01810	.00280	.00420	.04770	.00360	.78360	.57970	1.35160
4.959	35.720	1.05600	-.11790	-.02330	.00300	.00420	.04750	.00360	.82950	.65520	1.26590
4.959	37.830	1.14690	-.12930	-.02620	.00360	.00430	.04750	.00340	.87670	.74100	1.18310
4.959	39.840	1.23010	-.14250	-.02910	.00380	.00430	.04720	.00340	.91420	.82440	1.10880
4.959	41.840	1.31390	-.15060	-.03040	.00420	.00460	.04600	.00330	.94800	.91090	1.04070
GRADIENT		.04027	-.00496	-.00130	.00016	.00008	.00004	-.00000	.02499	.03381	-.04650

N555 (FAS) MAR ATP ORS (SICIDIFSHI) (WIEI) (VIKIRI)

(RT6330) (03 NOV 72)

REFERENCE DATA

WREF = 7.4190 SQ. IN. WSRP = 3.4530 IN.
 LREF = 2.1020 IN. LSRP = .0000 IN.
 SREF = 4.0300 IN. SGRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

ALPHA = .000 CONFIG = 3.000
 RUDDER = 15.000 RUDDFLR = 10.000
 ELEVTR = .000 CBDELV = .000
 IBDDELV = .000 AILRON = .000
 CBDAIL = .000 IBDAIL = .000

RUN NO. 163/ 0 RN/L = 4.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CSL	CAF	CAB	CL	CD	L/D
.899	-10.070	-.02620	.02030	.19220	-.02300	.01030	.03170	.03020	-.02610	.03180	-.62210
.899	-8.130	-.01310	.02240	.16730	-.02710	.01330	.03360	.02780	-.01300	.03390	-.38590
.899	-6.090	-.00930	.02270	.14810	-.03190	.01790	.03480	.02630	-.00920	.03490	-.26630
.899	-4.050	-.00790	.02470	.11720	-.03130	.01860	.03420	.02650	-.00780	.03420	-.23000
.899	-2.010	-.00730	.02880	.08320	-.02820	.01790	.03420	.02700	-.00720	.03420	-.21210
.899	.010	-.00680	.03390	.05490	-.02540	.01730	.03310	.02820	-.00680	.03320	-.26510
.899	2.040	-.00320	.03530	.02640	-.02310	.01620	.03440	.02700	-.00310	.03440	-.09130
.899	4.060	.00190	.03220	-.00800	-.02030	.01920	.03280	.02740	.00150	.03280	.04830
.899	6.140	.01040	.02890	-.04720	-.01600	.01330	.03010	.02740	.01030	.03000	.35020
.899	8.150	.01960	.02640	-.08190	-.01230	.01130	.02450	.03000	.01960	.02440	.80260
.899	10.110	.02170	.02190	-.11890	-.00870	.01050	.02100	.03070	.02180	.02100	1.03680
.899	.010	-.00740	.03340	.05310	-.02540	.01700	.03440	.02700	-.00730	.03440	-.21400
GRADIENT		.00113	.00108	-.01516	.00134	-.00042	-.00013	.00009	.00112	-.00013	.03339

RUN NO. 164/ 0 RN/L = 6.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CSL	CAF	CAB	CL	CD	L/D
.901	-10.240	-.08440	.05340	.20530	-.02840	.01070	.03950	.03520	-.08430	.03980	-2.11650
.901	-8.260	-.07170	.05410	.17630	-.02850	.01340	.04000	.03330	-.07160	.04020	-1.77950
.901	-6.180	-.07140	.06120	.15180	-.03240	.01770	.04340	.03080	-.07130	.04360	-1.63420
.901	-4.090	-.06300	.06070	.11950	-.03080	.01790	.04310	.02980	-.06290	.04330	-1.45230
.901	-2.030	-.05960	.06460	.08140	-.02660	.01670	.04370	.02980	-.05950	.04390	-1.35590
.901	.030	-.05290	.06380	.04790	-.02380	.01550	.04120	.03110	-.05280	.04130	-1.27870
.901	2.080	-.04610	.06430	.01490	-.02110	.01440	.03940	.03150	-.04600	.03950	-1.16400
.901	4.130	-.03880	.06090	-.02200	-.01830	.01260	.03670	.03200	-.03880	.03680	-1.05350
.901	6.230	-.03210	.05620	-.06170	-.01130	.01030	.03190	.03340	-.03200	.03200	-1.00060
.901	8.270	-.02410	.05040	-.09790	-.00760	.00920	.02760	.03470	-.02410	.02760	-.87220
.901	10.280	-.01850	.04880	-.13400	-.00330	.00840	.02440	.03590	-.01850	.02450	-.75500
.901	.030	-.05240	.06530	.04640	-.02350	.01510	.04040	.03170	-.05230	.04050	-1.29230
GRADIENT		.80301	.00001	-.01700	.00168	-.00063	-.00083	.00030	.00300	-.00085	.04812

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N555 (FAS) NAR ATP ORB (BIC101F1H1) (WSE1) (V1K1R1)

(R76330) (03 NOV 72)

REFERENCE DATA

GREY = 7.4190 SQ. IN. XMRP = 3.4530 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 GREY = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

ALPHA = .000 CONFIG = 3.000
 RUDDER = 15.000 RUOFLR = 10.000
 ELEVTR = .000 CBDELV = .000
 ISDELV = .000 AILRON = .000
 CBDAIL = .000 ISDAIL = .000

RUN NO. 165/ 0 RN/L = 6.71 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
1.201	-10.300	-.04660	.05660	.21610	-.03070	.02440	.07190	.04730	-.04670	.07200	-.67600
1.201	-8.310	-.03250	.05650	.18190	-.03130	.02520	.07200	.04790	-.03240	.07200	-.45020
1.201	-6.210	-.02060	.05760	.14170	-.02960	.02380	.07330	.04610	-.02050	.07330	-.26000
1.201	-4.100	-.00990	.05940	.10360	-.02630	.02080	.07440	.04610	-.00990	.07440	-.13330
1.201	-2.040	-.00100	.06130	.06950	-.02380	.01770	.07410	.04680	-.00100	.07410	-.01450
1.201	.050	.00500	.06210	.03730	-.02200	.01500	.07300	.04760	.00500	.07300	.06940
1.201	2.130	.01040	.06110	.00430	-.01980	.01190	.07180	.04780	.01040	.07180	.14480
1.201	4.190	.01200	.05720	-.03360	-.01590	.00790	.06940	.04810	.01200	.06940	.17360
1.201	6.320	.01910	.05040	-.07350	-.01130	.00360	.06380	.04910	.01910	.06380	.29110
1.201	8.360	.02130	.04410	-.11150	-.00830	.00060	.06350	.04850	.02130	.06350	.33580
1.201	10.410	.02050	.03630	-.14940	-.00710	-.00120	.06110	.04860	.02050	.06110	.35440
1.201	.050	.00540	.06290	.03750	-.02230	.01480	.07300	.04750	.00530	.07300	.07360
GRADIENT		.00266	-.00022	-.01636	.00119	-.00152	-.00059	.00024	.00266	-.00059	.03726

RUN NO. 147/ 0 RN/L = 6.66 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
1.956	-10.430	-.00670	.00510	.19760	-.01520	.00840	.07760	.02740	-.00650	.07760	-.08450
1.956	-8.410	.00320	.00470	.16180	-.01600	.00930	.07760	.02660	.00340	.07760	.04430
1.956	-6.290	.01550	.00570	.12790	-.01740	.01010	.07670	.02570	.01560	.07660	.19920
1.956	-4.180	.02240	.00460	.09260	-.01630	.00980	.07700	.02580	.02250	.07700	.29240
1.956	-2.060	.03010	.00390	.05830	-.01520	.00920	.07750	.02570	.03020	.07750	.38990
1.956	.050	.03530	.00150	.02350	-.01310	.00810	.07690	.02550	.03540	.07690	.46030
1.956	2.140	.03810	.00050	-.01100	-.01070	.00660	.07500	.02570	.03810	.07500	.50860
1.956	4.220	.03940	-.00130	-.04620	-.00820	.00570	.07290	.02600	.03940	.07290	.54180
1.956	6.360	.03790	-.00450	-.08260	-.00650	.00470	.07050	.02640	.03800	.07050	.53910
1.956	8.460	.03550	-.00670	-.11670	-.00600	.00420	.06690	.02690	.03550	.06690	.51610
1.956	10.480	.02910	-.00910	-.15480	-.00660	.00430	.06730	.02740	.02920	.06730	.43370
1.956	.050	.03490	.00190	.02300	-.01320	.00810	.07640	.02560	.03490	.07640	.45760
GRADIENT		.00200	-.00074	-.01655	.00099	-.00051	-.00051	.00002	.00199	-.00051	.02947

MESS (P43) MAR ATP ORS (BICIDIFINI) (WIE1) (VIRIR1)

(R76331) (03 NOV 72)

REFERENCE DATA

BREF = 7.4190 SQ. IN. WARP = 3.4530 IN.
 LREF = 2.1020 IN. YARP = .0000 IN.
 BREF = 4.0300 IN. ZARP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

ALPHA = 10.000 CONFIG = 3.000
 RUDDER = 15.000 RUOFLR = 10.000
 ELEVTR = .000 CBOELV = .000
 IBOELV = .000 AILRON = .000
 CBOAIL = .000 IBOAIL = .000

RUN NO. 162/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
.896	-10.080	.49230	-.01400	.17780	-.02150	.02350	.01270	.02750	.48080	.10760	4.46740
.896	-8.140	.50480	-.01430	.15570	-.02440	.02570	.01270	.02680	.49280	.11010	4.47390
.896	-6.090	.51960	-.01740	.13100	-.02890	.02540	.01270	.02480	.50750	.11310	4.48700
.896	-4.030	.52750	-.01730	.10220	-.02920	.02330	.01140	.02470	.51530	.11350	4.53990
.896	-2.020	.53090	-.01200	.07100	-.02660	.02030	.01150	.02490	.51850	.11430	4.53620
.896	.020	.53730	-.00950	.04260	-.02430	.01650	.01190	.02470	.52470	.11600	4.52240
.896	2.060	.54110	-.00610	.01060	-.02220	.01290	.01100	.02620	.52870	.11590	4.56160
.896	4.070	.54630	-.00770	-.02150	-.01930	.00870	.00830	.02680	.53430	.11430	4.67110
.896	6.130	.55480	-.01090	-.05770	-.01530	.00520	.00660	.02600	.54290	.11430	4.74770
.896	8.170	.56050	-.01590	-.09130	-.01260	.00160	.00480	.02600	.54890	.11370	4.82710
.896	10.130	.56010	-.01820	-.12650	-.01040	-.00200	.00170	.02740	.54910	.11050	4.96730
.896	.010	.55670	-.00670	.03670	-.02460	.01630	.01150	.02500	.52420	.11550	4.53740
GRADIENT		.00236	.00124	-.01518	.00119	-.00180	-.00035	.00027	.00236	.00016	.01418

RUN NO. 161/ 0 RN/L = 6.27 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
.898	-10.260	.55540	-.02970	.19810	-.01970	.01450	.02920	.03640	.53820	.14040	3.83320
.898	-8.260	.56250	-.02430	.16430	-.02290	.01970	.02990	.03470	.54490	.14270	3.81660
.898	-6.170	.56920	-.00390	.12120	-.02200	.03030	.03190	.03540	.51190	.13780	3.71400
.898	-4.070	.54040	-.00380	.09140	-.02320	.02790	.03300	.03370	.52270	.14130	3.69880
.898	-2.000	.55270	-.00140	.05960	-.02170	.02290	.03230	.03430	.53470	.14330	3.73110
.898	.050	.55410	-.00080	.03030	-.02080	.01630	.03060	.03540	.53650	.14200	3.77620
.898	2.110	.55900	-.00260	.00160	-.01990	.01370	.02810	.03580	.54180	.14060	3.85230
.898	4.150	.56370	-.00380	-.02870	-.01780	.00810	.02840	.03450	.55110	.14300	3.89270
.898	6.260	.56860	-.00650	-.06250	-.01550	.00200	.02580	.03390	.55160	.14030	3.93050
.898	8.330	.56820	-.00810	-.09580	-.01520	-.00270	.02500	.03400	.55140	.13940	3.95430
.898	10.320	.56310	-.00930	-.12730	-.01650	-.00890	.02250	.03490	.54690	.13590	4.02430
.898	.050	.55770	-.00080	.03020	-.02120	.01780	.03060	.03580	.53990	.14280	3.78030
GRADIENT		.00306	-.00006	-.01451	.00061	-.00237	-.00065	.00015	.00311	.00003	.02088

M555 (FA3) WAR ATP CRB (SICIDIFIMI) (WIEI) (VIKIRI)

(R76331) (03 NOV 72)

REFERENCE DATA

PARAMETRIC DATA

SREF = 7.4190 60 IN. YMRP = 3.4530 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 SREF = 4.0500 IN. YMRP = .0000 IN.
 SCALE = .0040

ALPHA = 10.000 CONFIG = 3.000
 RUDDER = 15.000 RUOFLR = 10.000
 ELEVTR = .000 CBOELV = .000
 ISOELV = .000 AILRON = .000
 CBOAIL = .000 ISOAIL = .000

RUN NO. 160/ 0 RN/L = 6.66 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
1.199	-10.320	.63280	-.08450	.17810	-.01920	.03380	.07260	.04500	.60420	.20180	2.99330
1.199	-8.310	.64700	-.08430	.14500	-.01740	.03200	.07270	.04430	.61790	.20520	3.01140
1.199	-6.200	.65740	-.08350	.11150	-.01850	.02900	.07370	.04240	.62770	.20860	3.00890
1.199	-4.090	.67090	-.08500	.07830	-.01820	.02360	.07410	.04200	.64070	.21210	3.02080
1.199	-2.000	.68220	-.08220	.04770	-.01730	.01780	.07460	.04270	.65160	.21530	3.02560
1.199	.070	.69060	-.08280	.01880	-.01750	.01300	.07510	.04300	.65980	.21780	3.02860
1.199	2.150	.69670	-.08390	-.00820	-.01780	.00850	.07540	.04360	.66590	.21750	3.06100
1.199	4.210	.70590	-.08660	-.03850	-.01660	.00290	.07140	.04310	.67530	.21760	3.10210
1.199	6.360	.70560	-.08930	-.07120	-.01530	-.00380	.06720	.04520	.67610	.21340	3.16710
1.199	8.410	.70510	-.09250	-.10590	-.01500	-.00930	.06490	.04630	.67590	.21100	3.20310
1.199	10.440	.70220	-.09620	-.13780	-.01600	-.01340	.06270	.04800	.67360	.20800	3.23770
1.199	.070	.69060	-.08200	.01840	-.01780	.01240	.07490	.04320	.65970	.21760	3.03140
GRADIENT		.00407	-.00024	-.01395	.00013	-.00244	-.00032	.00015	.00402	.00064	.00953

RUN NO. 148/ 0 RN/L = 6.66 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
1.954	-10.420	.40410	-.05860	.16650	-.00490	.01430	.07190	.02760	.38180	.15130	2.52190
1.954	-8.400	.41310	-.05910	.13410	-.00630	.01360	.07170	.02620	.39040	.15300	2.55000
1.954	-6.260	.42900	-.06200	.10270	-.00690	.01300	.07210	.02560	.40580	.15690	2.58550
1.954	-4.150	.43410	-.06250	.07260	-.01020	.01150	.07170	.02600	.41080	.15770	2.60510
1.954	-2.050	.44110	-.06320	.04350	-.01080	.00980	.07210	.02590	.41750	.15950	2.61630
1.954	.040	.44670	-.06350	.01390	-.01070	.00750	.07250	.02660	.42480	.16160	2.62680
1.954	2.150	.44340	-.06380	-.01650	-.01030	.00510	.06980	.02710	.42030	.15770	2.66460
1.954	4.200	.45640	-.06850	-.04610	-.00900	.00210	.06800	.02660	.43330	.15880	2.72760
1.954	6.350	.45390	-.06980	-.07740	-.00930	-.00020	.06560	.02650	.43130	.15580	2.76720
1.954	8.440	.45020	-.06970	-.10820	-.01100	-.00200	.06460	.02690	.42790	.15410	2.77700
1.954	10.490	.44490	-.07090	-.14170	-.01320	-.00360	.06310	.02820	.42310	.15140	2.79410
1.954	.040	.44450	-.06380	.01280	-.01080	.00740	.07240	.02660	.42080	.16050	2.62060
GRADIENT		.00225	-.00060	-.01424	.00014	-.00113	-.00046	.00012	.00229	.00002	.01406

MS55 (FAS) MAR ATP ORB (B1C1D1F1M1) (W1E1) (V1K1R1)

(R76332) (03 NOV 72)

REFERENCE DATA

GREP = 7.4190 SQ. IN. XGRP = 3.4530 IN.
 LREP = 2.1020 IN. YGRP = .0000 IN.
 BREP = 4.0300 IN. ZGRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

BETA = .000 CONFIG = 3.000
 RUDDER = 15.000 RUOFLR = 40.000
 ELEVTR = .000 CBDELV = .000
 ISDELV = .000 AILRON = .000
 CBSAIL = .000 ISDAIL = .000

RUN NO. 152/ 0 RN/L = 4.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
.600	.870	-.04580	.04440	.07060	-.02390	.04190	.03980	.03300	-.04620	.03930	-1.17630
.600	2.640	.04150	.03830	.06630	-.02290	.01230	.03840	.03300	.03960	.04030	.98270
.600	4.960	.13800	.03160	.06680	-.02190	.01190	.03470	.03150	.13470	.04600	2.92350
.600	6.890	.23910	.02380	.06270	-.02090	.01170	.02790	.03070	.23400	.05640	4.14660
.600	9.000	.34960	.01030	.05890	-.02040	.01200	.02290	.03100	.34170	.07740	4.41230
.600	11.120	.46220	.00030	.05600	-.01970	.01180	.01940	.03230	.44980	.10820	4.15450
.600	13.220	.56710	-.01130	.05430	-.01960	.00990	.01670	.03280	.54820	.14600	3.75280
.600	15.500	.65800	-.01510	.05100	-.01960	.01040	.01470	.03540	.63080	.16790	3.33620
.600	17.440	.74860	-.01840	.05040	-.02010	.01110	.01150	.04060	.71070	.23540	3.01860
.600	19.500	.82580	-.01690	.04940	-.02110	.00900	.00790	.04690	.77570	.26320	2.73860
.600	21.500	.87660	-.01650	.04690	-.02060	.00630	.00700	.05320	.81320	.32800	2.47900
.600	11.120	.45920	.00060	.05740	-.02010	.01160	.02000	.03120	.44670	.10820	4.12670
GRADIENT		.04495	-.00313	-.00093	.00049	-.00000	-.00125	-.00037	.04424	.00163	1.00166

RUN NO. 151/ 0 RN/L = 6.21 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
.902	.610	-.10620	.08020	.07330	-.02570	.01210	.04860	.03700	-.10670	.04740	-2.24820
.902	2.710	.00360	.07050	.07120	-.02460	.01190	.04660	.03650	.00140	.04670	.03100
.902	4.940	.12770	.06760	.06720	-.02390	.01170	.04080	.03570	.12370	.05170	2.39370
.902	7.160	.25730	.04100	.06200	-.02330	.01210	.03750	.03620	.25060	.06930	3.61330
.902	9.360	.36660	.03090	.05700	-.02230	.01280	.03630	.03670	.35750	.09780	3.65410
.902	11.560	.46840	.01480	.05090	-.02090	.01400	.03970	.04030	.47050	.13680	3.43730
.902	13.770	.56070	-.00240	.04200	-.01960	.01600	.03930	.04460	.56180	.18310	3.17710
.902	15.940	.71070	-.01240	.03600	-.01840	.01550	.03980	.05010	.67240	.23350	2.87890
.902	18.140	.80530	-.01370	.04050	-.02140	.01190	.03810	.05800	.75340	.28710	2.62380
.902	20.270	.87450	-.00290	.04530	-.02260	.00600	.03850	.06410	.80700	.33910	2.37950
.902	22.320	.91940	.00740	.03790	-.01890	.00850	.04030	.06660	.83510	.38650	2.16070
.902	11.560	.49070	.01400	.05130	-.02110	.01420	.03940	.04030	.47290	.13700	3.44990
GRADIENT		.05404	-.00523	-.00146	.00042	-.00009	-.00181	-.00030	.05323	.00101	1.07190

M555 (FAS) HAR ATP CRB (BICIDIFINI) (WIEI) (VIKIRI)

(R76332) (03 NOV 72)

REFERENCE DATA

GREF = 7.4190 SQ.IN. XMRP = 3.4530 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 SREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

BETA = .000 CONFIG = 3.000
 RUDDER = 15.000 RUDFLR = 40.000
 ELEVTR = .000 CBOELV = .000
 TBOELV = .000 AILRON = .000
 CBOAIL = .000 TBOAIL = .000

RUN NO. 150/ 0 RN/L = 6.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CSL	CAF	CAB	CL	CD	L/D
1.196	.780	-.02780	.08030	.05970	-.02130	.01180	.08530	.04660	-.02890	.08490	-.34130
1.196	2.930	.10470	.04820	.05510	-.02030	.01220	.08450	.04640	.10020	.08980	1.11650
1.196	5.180	.24210	.01460	.05110	-.01910	.01160	.08330	.04630	.23350	.10490	2.22600
1.196	7.450	.37740	-.01760	.04720	-.01800	.01190	.08350	.04360	.36340	.13180	2.75680
1.196	9.710	.50740	-.04370	.04190	-.01710	.01140	.08240	.04300	.48630	.16680	2.91440
1.196	11.970	.63960	-.06800	.03620	-.01630	.01050	.08350	.04230	.60840	.21430	2.63840
1.196	14.220	.76660	-.08750	.03270	-.01580	.01070	.08320	.04570	.72270	.26900	2.65590
1.196	16.430	.86330	-.09250	.02680	-.01430	.01330	.08290	.04990	.80460	.32380	2.48480
1.196	18.710	.96590	-.09690	.02830	-.01680	.00980	.08390	.05610	.88780	.38950	2.27930
1.196	20.900	1.06800	-.10810	.02720	-.01710	.00980	.08090	.05660	.96880	.45660	2.12150
1.196	23.000	1.13380	-.10400	.02580	-.01550	.01010	.07810	.06000	1.01310	.51500	1.96700
1.196	11.980	.84390	-.06810	.03800	-.01630	.01040	.08300	.04310	.61260	.21480	2.65090
GRADIENT		.06163	-.01493	-.00214	.00047	.00019	-.00037	-.00019	.06005	.00228	.67805

RUN NO. 149/ 0 RN/L = 6.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CSL	CAF	CAB	CL	CD	L/D
1.956	.750	.00360	.01610	.04470	-.01520	.00830	.08620	.02510	.00250	.08620	.02950
1.956	2.810	.08500	.00430	.04200	-.01430	.00780	.08480	.02600	.08070	.08890	.90840
1.956	5.020	.17040	-.01070	.03860	-.01350	.00750	.08580	.02590	.16220	.10040	1.61520
1.956	7.200	.25080	-.02460	.03510	-.01230	.00730	.08460	.02720	.23800	.11540	2.06210
1.956	9.390	.33290	-.03690	.03230	-.01150	.00730	.08430	.02720	.31470	.15750	2.28630
1.956	11.570	.40940	-.05080	.02910	-.01060	.00730	.08290	.02570	.38450	.16330	2.35330
1.956	13.760	.48990	-.06210	.02670	-.01000	.00750	.08120	.02590	.45660	.19540	2.33570
1.956	15.950	.57240	-.07290	.02430	-.01040	.00790	.07980	.02650	.52940	.23410	2.25710
1.956	18.170	.64610	-.07760	.02020	-.01010	.00840	.07610	.02650	.59010	.27390	2.15450
1.956	20.300	.71900	-.08210	.01600	-.00900	.00870	.07310	.02620	.64890	.31800	2.04020
1.956	22.440	.79630	-.08930	.01120	-.00720	.00990	.06900	.02700	.70960	.36780	1.92920
1.956	11.950	.40440	-.04690	.02930	-.01060	.00690	.08190	.02610	.37980	.16120	2.35510
GRADIENT		.05913	-.00663	-.00130	.00043	-.00024	-.00067	.00043	.03760	.00130	.42255

NSSS (FAS) MAR ATP CR6 (BICIDIFIM1) (WIE1) (VIKIR1)

(R76332) (03 NOV 72)

REFERENCE DATA

SREF = 7.4190 30. IN. YMRP = 3.4530 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 SREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

BETA = .000 CONFIG = 3.000
 RUDDER = 15.000 RUOFLR = 40.000
 ELEVTR = .000 CBDELV = .000
 IBDDELV = .000 AILRON = .000
 CBODAIL = .000 IBDAIL = .000

RUN NO. 132/ 0 RN/L = 4.12 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
2.990	.670	-.01590	.00030	.02770	-.00890	.00440	.07860	.01230	-.01690	.07840	-.21560
2.990	2.620	.03460	-.00460	.02660	-.00880	.00450	.07700	.01270	.03100	.07850	.39530
2.990	4.700	.06640	-.00790	.02510	-.00860	.00470	.07560	.01290	.06190	.08260	.99040
2.990	6.780	.14510	-.01260	.02440	-.00830	.00470	.07450	.01310	.13530	.09110	1.48480
2.990	8.850	.20530	-.01930	.02200	-.00790	.00490	.07270	.01320	.19160	.10350	1.85140
2.990	10.920	.26510	-.02580	.01980	-.00800	.00500	.07030	.01330	.24700	.11920	2.07060
2.990	13.020	.32960	-.03300	.01770	-.00730	.00520	.06820	.01320	.30600	.14080	2.17270
2.990	15.060	.39790	-.03980	.01470	-.00650	.00520	.06580	.01320	.36710	.16720	2.19560
2.990	17.210	.46960	-.04620	.01160	-.00520	.00500	.06280	.01320	.43000	.19900	2.16020
2.990	19.260	.54560	-.05760	.00690	-.00360	.00460	.05980	.01340	.49520	.23660	2.09240
2.990	21.270	.61660	-.06670	.00320	-.00260	.00450	.05720	.01380	.55560	.27780	2.00080
GRADIENT		.02568	-.00203	-.00065	.00007	.00007	-.00074	.00015	.02452	.00105	.29911

RUN NO. 131/ 0 RN/L = 4.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
4.959	.660	-.03210	-.00960	.01690	-.00510	.00300	.06700	.00310	-.03280	.06660	-.49290
4.959	2.570	.00720	-.01250	.01680	-.00520	.00320	.06440	.00300	.00430	.06470	.06740
4.959	4.600	.04400	-.01480	.01430	-.00470	.00310	.06350	.00320	.03880	.06680	.58050
4.959	6.650	.08510	-.01620	.01280	-.00460	.00280	.06150	.00340	.07740	.07090	1.09050
4.959	8.690	.13320	-.01970	.01040	-.00340	.00330	.05780	.00340	.12290	.07720	1.59140
4.959	10.720	.18100	-.02400	.00860	-.00330	.00330	.05480	.00350	.16760	.08750	1.91420
4.959	12.760	.23500	-.02700	.00800	-.00300	.00340	.05270	.00360	.21750	.10340	2.10290
4.959	14.800	.28930	-.03180	.00510	-.00220	.00350	.05060	.00360	.26670	.12290	2.17040
4.959	16.910	.35280	-.03850	.00230	-.00100	.00300	.04890	.00370	.32330	.14940	2.16280
4.959	18.910	.41500	-.04470	-.00030	-.00010	.00300	.04720	.00380	.37730	.17930	2.10420
4.959	20.860	.47930	-.05450	-.00030	.00000	.00280	.04630	.00380	.43130	.21400	2.01530
GRADIENT		.01930	-.00127	-.00061	.00010	.00002	-.00086	.00003	.01816	.00006	.27223

DATE 13 NOV 72

WSPC TWT 555

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M555 (FAS) NAR ATP ORS (BICIDIFIM) (WIE) (VIKIR)

(RT6333) (03 NOV 72)

REFERENCE DATA

BREF = 7.4130 SQ. IN. XDRP = 3.4530 IN.
 LREF = 2.1020 IN. YDRP = .0000 IN.
 BREF = 4.0300 IN. ZDRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

BETA = .000 CONFIG = 3.000
 RUDDER = 15.000 RUOFLR = 40.000
 ELEVTR = .000 CDELEV = .000
 IBDELV = .000 AILRON = .000
 CDBAIL = .000 IBDBAIL = .000

RUN NO. 153/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
.599	22.030	.87450	-.00780	.03110	-.01570	.00640	.00670	.05450	.80810	.33430	2.41720
.599	23.960	.89060	-.00100	.02330	-.01340	.00890	.00690	.05740	.81100	.36610	2.20330
.599	26.020	.93740	-.00030	.03380	-.01500	.00710	.00760	.05900	.83900	.41820	2.00610
.599	28.070	.98390	-.00310	.05440	-.01570	-.00260	.00600	.06340	.86530	.46840	1.84730
.599	30.120	1.05880	-.01910	.04370	-.00760	-.00440	.00150	.06800	.91500	.53270	1.71750
.599	32.200	1.12240	-.02600	.03330	-.00330	-.00230	-.00110	.06950	.95030	.59730	1.59100
.599	34.280	1.18950	-.02630	.02400	-.00420	.00350	-.00530	.07250	.98590	.66550	1.48130
.599	36.350	1.26500	-.02780	.01730	-.00420	.00600	-.01260	.07560	1.02620	.73960	1.38740
.599	38.450	1.34180	-.03390	.01290	-.00440	.00370	-.02300	.07680	1.06510	.81630	1.30470
.599	40.510	1.41030	-.03810	.01290	-.00320	.00130	-.03360	.07910	1.09400	.89060	1.22830
.599	42.510	1.46700	-.04430	.01180	-.00210	-.00030	-.04100	.07880	1.10910	.96100	1.15410
.599	52.220	1.12230	-.02470	.03360	-.00240	-.00230	-.00210	.06980	.95060	.59670	1.59300
GRADIENT		.03068	-.00216	-.00131	.00074	-.00021	-.00237	.00128	.01637	.03131	-.05941

RUN NO. 154/ 0 RN/L = 6.26 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
.900	22.840	.92020	.01370	.03100	-.01630	.00820	.03980	.06530	.83250	.39390	2.11310
.900	24.850	.98460	.01150	.02640	-.01460	.01030	.03680	.06800	.87790	.44740	1.98220
.900	27.000	1.06350	.00210	.02420	-.01230	.00980	.03340	.07000	.93240	.51260	1.81890
.900	29.180	1.15870	-.00980	.00950	-.00920	.01330	.03280	.07000	.99580	.59370	1.67680
.900	31.320	1.23390	-.00860	-.00920	-.00600	.02010	.03050	.06850	1.03810	.66760	1.55490
.900	33.470	1.31630	-.01090	-.01390	-.00530	.02180	.02300	.07120	1.08530	.74520	1.45640
.900	35.590	1.39250	-.01710	-.00130	-.00800	.01460	.01010	.07430	1.12640	.81880	1.37560
.900	37.720	1.46390	-.02070	.01040	-.00910	.00420	-.00480	.07540	1.16080	.89180	1.30160
.900	39.880	1.53470	-.02730	.01190	-.00460	-.00120	-.01320	.07560	1.18740	.97240	1.22110
.900	42.020	1.60350	-.02980	.00500	-.00180	-.00070	-.01940	.07380	1.20410	1.05900	1.13700
.900	44.000	1.64820	-.02670	-.00480	.00000	.00010	-.02880	.07350	1.20410	1.12290	1.07230
.900	53.460	1.31420	-.01030	-.01340	-.00500	.02140	.02390	.07000	1.08310	.74460	1.45440
GRADIENT		.03536	-.00207	-.00125	.00066	-.00060	-.00345	.00042	.01855	.03505	-.04790

NS55 (PA3) HAR ATP ORB (B1C1D1F1H1) (W1E1) (V1K1R1)

(R76333) (03 NOV 72)

REFERENCE DATA

GREP = 7.4190 SQ. IN. XMRP = 3.4930 IN.
 LREP = 2.1020 IN. YMRP = .0000 IN.
 BREP = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

BETA = .000 CONFIG = 3.000
 RUDDER = 15.000 RUOFLR = 40.000
 ELEVTR = .000 CBOELV = .000
 IBOELV = .000 ATLRON = .000
 CBOAIL = .000 IBOAIL = .000

RUN NO. 133/ 0 RN/L = 4.12 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CSL	CAF	CAB	CL	CD	L/D
2.990	21.810	.61400	-.06710	.00430	-.00220	.00450	.05550	.01390	.34940	.27970	1.96370
2.990	23.800	.68750	-.07690	.00190	-.00130	.00430	.05330	.01410	.60750	.32630	1.86160
2.990	25.690	.76880	-.08630	-.00370	-.00010	.00390	.05120	.01430	.66920	.38190	1.75210
2.990	28.020	.85280	-.09760	-.00840	.00070	.00380	.04980	.01440	.72940	.44460	1.64040
2.990	30.100	.93710	-.10590	-.00760	.00050	.00440	.04880	.01430	.78620	.51220	1.53470
2.990	32.200	1.02390	-.11630	-.00800	-.00120	.00610	.04790	.01420	.84070	.58620	1.43400
2.990	34.340	1.11740	-.12580	-.00920	-.00120	.00720	.04650	.01430	.89640	.66870	1.34050
2.990	36.430	1.20840	-.13860	-.01420	-.00040	.00720	.04410	.01440	.94600	.75320	1.25600
2.990	38.560	1.30180	-.15020	-.02210	.00260	.00590	.04180	.01430	.99150	.84460	1.17390
2.990	40.660	1.38920	-.16080	-.02820	.00390	.00500	.04030	.01420	1.02740	.93600	1.09750
2.990	42.860	1.46970	-.16880	-.03190	.00430	.00450	.03940	.01400	1.05390	1.02500	1.02810
GRADIENT		.04149	-.00490	-.00162	.00025	.00008	-.00075	.00000	.02475	.03606	-.04519

RUN NO. 134/ 0 RN/L = 4.84 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CSL	CAF	CAB	CL	CD	L/D
4.959	21.400	.49510	-.05030	-.00400	.00040	.00520	.04760	.00320	.44360	.22510	1.97070
4.959	23.350	.56200	-.05650	-.00750	.00060	.00310	.04670	.00340	.49740	.26370	1.87190
4.959	25.410	.63890	-.06470	-.00780	.00100	.00330	.04720	.00360	.55680	.31690	1.75710
4.959	27.480	.71840	-.07480	-.01170	.00100	.00370	.04740	.00370	.61540	.37370	1.64660
4.959	29.540	.79620	-.08270	-.01290	.00120	.00420	.04740	.00360	.67100	.43490	1.54260
4.959	31.600	.88350	-.09510	-.01630	.00220	.00410	.04750	.00350	.72750	.50350	1.44480
4.959	33.680	.97170	-.10560	-.01870	.00270	.00400	.04770	.00350	.78200	.57870	1.35140
4.959	35.720	1.05740	-.11720	-.02210	.00320	.00400	.04820	.00350	.83020	.65660	1.26430
4.959	37.820	1.14340	-.13080	-.02620	.00350	.00410	.04760	.00350	.87390	.73890	1.18270
4.959	39.860	1.22920	-.14550	-.02910	.00380	.00410	.04690	.00340	.91330	.82390	1.10840
4.959	41.840	1.31190	-.15420	-.03140	.00410	.00440	.04600	.00350	.94660	.90950	1.04080
GRADIENT		.04033	-.00516	-.00135	.00019	.00006	-.00002	.00000	.02508	.03375	-.04592

M355(PAS) WAR ATP CRB (BICIDIFIMI) (WIEI) (VIRIRI)

(R76334) (03 NOV 72)

REFERENCE DATA

BREF = 7.4190 SQ. IN. XMRP = 3.4530 IN.
 LREF = 2.1020 IN. YMRP = .0000 IN.
 SREF = 4.0300 IN. ZMRP = .0000 IN.
 SCALE = .0040

PARAMETRIC DATA

BETA = .000 CONFIG = 3.000
 RUDDER = .000 RUOFLR = 10.000
 ELEVTR = .000 CBOELV = .000
 IBDLV = .000 AILRON = .000
 CBDAIL = .000 IBDAIL = .000

RUN NO. 87/ 0 RN/L = 4.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
.597	11.410	.51240	-.01930	-.00510	-.00050	.00390	.00330	.02610	.50160	.10460	4.79160
.597	13.410	.60940	-.02920	-.00600	-.00030	.00340	.00070	.02770	.59260	.14210	4.16970
.597	15.530	.69930	-.03270	-.00740	.00000	.00430	-.00140	.03100	.67420	.18590	3.62370
.597	17.610	.77910	-.03610	-.00760	.00000	.00450	-.00310	.03550	.74350	.23280	3.19380
.597	19.690	.85190	-.03380	-.00370	-.00010	.00290	-.00490	.04330	.80370	.28250	2.84510
.597	21.740	.88310	-.02730	-.00550	.00180	-.00050	-.00410	.04780	.82180	.32330	2.54210
.597	23.790	.90550	-.01930	-.00880	.00380	.00070	-.00760	.05470	.83160	.35830	2.32100
.597	25.810	.95130	-.02100	-.00500	.00230	.00080	-.00880	.05760	.86020	.40630	2.11690
.597	27.910	1.00360	-.02680	.01000	-.00030	-.00450	-.01010	.06190	.89160	.46080	1.93460
.597	29.930	1.06590	-.03580	.01410	.00570	-.00970	-.01400	.06900	.93060	.51980	1.79030
.597	31.910	1.14910	-.04560	-.00440	.01070	-.00570	-.01720	.07160	.98450	.59290	1.66040
.597	31.750	.88370	-.02620	-.00230	.00120	-.00010	-.00420	.04820	.82230	.32360	2.54110
GRADIENT		.02795	-.00042	.00060	.00039	-.00060	-.00089	.00239	.02071	.02298	-.14572

RUN NO. 86/ 0 RN/L = 6.27 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CY	CYN	CBL	CAF	CAB	CL	CD	L/D
.901	11.840	.51900	-.00980	-.00360	.00010	.00440	.02330	.03280	.50320	.12930	3.89100
.901	13.940	.62730	-.02550	-.00840	.00120	.00560	.02420	.03530	.60300	.17460	3.45260
.901	16.120	.73150	-.03360	-.01420	.00270	.00650	.02490	.04050	.69580	.22710	3.06350
.901	18.290	.83140	-.03370	-.00830	.00130	.00340	.02570	.04770	.76130	.28550	2.73630
.901	20.440	.87900	-.02120	.00010	.00080	-.00520	.02610	.05650	.81450	.33140	2.45730
.901	22.540	.92540	-.01030	-.00230	.00180	-.00090	.02280	.06280	.84600	.37580	2.25070
.901	24.670	.99350	-.01280	-.00360	.00310	.00100	.01880	.06710	.89490	.43200	2.07160
.901	26.820	1.08850	-.02950	-.00700	.00490	.00140	.01710	.07060	.96360	.50650	1.90230
.901	28.990	1.17630	-.04070	-.01420	.00770	.00260	.01350	.07150	1.02230	.58200	1.75640
.901	31.170	1.27190	-.04660	-.03080	.01080	.00870	.01130	.07320	1.08230	.66820	1.61970
.901	33.200	1.34640	-.04590	-.03850	.01270	.01190	.00590	.07460	1.12320	.74230	1.51300
.901	22.530	.92690	-.01090	-.00260	.00210	-.00060	.02070	.06410	.84820	.37430	2.26610
GRADIENT		.03684	-.00115	-.00113	.00053	.00017	-.00084	.00216	.02735	.02821	-.10696